

10/531,758

=> d his

(FILE 'HOME' ENTERED AT 14:44:27 ON 18 MAR 2008)

FILE 'REGISTRY' ENTERED AT 14:44:40 ON 18 MAR 2008

L1 STRUCTURE UPLOADED
L2 50 S L1
L3 STRUCTURE UPLOADED
L4 50 S L3
L5 STRUCTURE UPLOADED
L6 4 S L5
L7 2411 S L3 SSS FUL
L8 83 S L5 FUL SUB=L7
L9 2328 S L7 NOT L8
L10 664 S L9 AND CAPLUS/LC
L11 80 S L8 AND CAPLUS/LC
L12 3 S L8 NOT L11

FILE 'CAPLUS' ENTERED AT 14:48:21 ON 18 MAR 2008

L13 5 S L8
L14 121 S L9
L15 3 S L13 AND L14

FILE 'REGISTRY' ENTERED AT 14:49:44 ON 18 MAR 2008

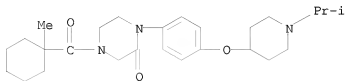
=> d l15 1-3

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:n

=> d l12 1-3

10/531,758

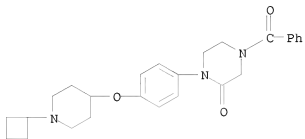
L12 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 921753-61-9 REGISTRY
ED Entered STN: 16 Feb 2007
CN 2-Piperazinone, 4-[(1-methylcyclohexyl)carbonyl]-1-[4-[[1-(1-methylethyl)-
4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)
MF C26 H39 N3 O3
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/531,758

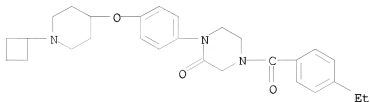
L12 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 921753-60-8 REGISTRY
ED Entered STN: 16 Feb 2007
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-
(CA INDEX NAME)
MF C26 H31 N3 O3
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/531,758

L12 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2008 ACS on STN
RN 921753-59-5 REGISTRY
ED Entered STN: 16 Feb 2007
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-ethylbenzoyl)- (CA INDEX NAME)
MF C28 H35 N3 O3
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/531,758

=> => s l13 or l15

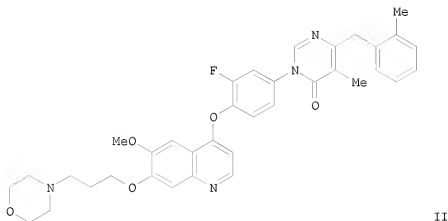
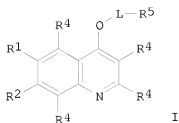
L16 5 L13 OR L15

=> d ibib abs hitstr total

L16 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1454807 CAPLUS
 DOCUMENT NUMBER: 148:78895
 TITLE: Preparation of quinoline derivatives as tyrosine
 kinases inhibitors
 INVENTOR(S): Gaudino, John; Boyd, Steven Armen; Marlow, Allison L.;
 Kaplan, Tomas; Fong, Kin Chiu; Seo, Jeongbeob; Tian,
 Hongqi; Blake, James; Koch, Kevin
 PATENT ASSIGNEE(S): Array Biopharma Inc., USA; Genentech, Inc.
 SOURCE: PCT Int. Appl., 189pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2007146824 | A2 | 20071221 | WO 2007-US70787 | 20070608 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |

PRIORITY APPLN. INFO.: US 2006-811909P P 20060608
 OTHER SOURCE(S): MARPAT 148:78895
 GI



AB Title compds. represented by the formula I [wherein R1, R2, R4 = independently H, halo, CN, etc.; with the proviso that at least one of R1 and R2 is not H; L = (un)substituted (hetero)cyclyl or (hetero)aryl; R5 = -COH, (un)substituted amino, heterocyclyl, etc.; and stereoisomers, geometric isomers, tautomers, solvates, metabolites, and salts thereof] were prepared as tyrosine kinases inhibitors. For example, II was provided in a multi-step synthesis starting from the reaction of (2-methylbenzyl)zinc chloride with 4,6-dichloro-5-methylpyrimidine. Certain compds. of this invention had MKN45 cell-based activity IC50 values less than 100 nM. Thus, I and their pharmaceutical compns. are useful for inhibiting receptor tyrosine kinases and for treating hyperproliferative disorders mediated thereby.

IT 960298-74-2P, [4-[4-[(6,7-Dimethoxyquinolin-4-yl)oxy]-3-fluorophenyl]piperazin-1-yl] phenyl ketone

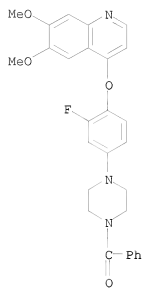
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of quinoline derivs. as tyrosine kinases inhibitors)

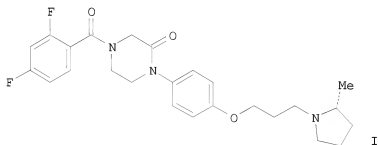
RN 960298-74-2 CAPLUS

CN Methanone, [4-[4-[(6,7-dimethoxy-4-quinolinyl)oxy]-3-fluorophenyl]-1-piperazinyl]phenyl- (CA INDEX NAME)

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L16 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:1389151 CAPLUS
 DOCUMENT NUMBER: 148:215018
 TITLE: 4-Acyl-1-(4-aminoalkoxyphenyl)-2-ketopiperazines as a Novel Class of Non-Brain-Penetrant Histamine H3 Receptor Antagonists
 AUTHOR(S): Procopiou, Panayiotis A.; Ancliff, Rachael A.; Bamford, Mark J.; Browning, Christopher; Connor, Helen; Davies, Susannah; Fogden, Yvonne C.; Hodgson, Simon T.; Holmes, Duncan S.; Looker, Brian E.; Morris, Karen M. L.; Parr, Christopher A.; Pickup, Elizabeth A.; Sehmi, Sanjeet S.; White, Gemma V.; Watts, Clarissa J.; Wilson, David M.; Woodrow, Michael D.
 CORPORATE SOURCE: Departments of Chemistry, Pharmacology, Drug Metabolism and Pharmacokinetics, GlaxoSmithKline Medicines Research Centre, Stevenage, Hertfordshire, SG1 2NY, UK
 SOURCE: Journal of Medicinal Chemistry (2007), 50(26), 6706-6717
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI



AB A series of ketopiperazines, e.g., I, were prepared and evaluated for their activity as histamine H3 antagonists. From investigation of the tertiary basic center in the aminopropoxyphenyl template, the 2(R)-methylpyrrolidine was identified as the most potent amine. In the more rigid piperidinoxypheyl template the N-cyclobutyl group was the most potent amine. The 4-fluorobenzoyl, 4-cyanobenzoyl, and 2,4-difluorobenzoyl groups provided good pharmacokinetic profiles for the various amides. The PSA and log D values of these compds. suggested low brain penetration. The compds. had very high selectivity over other receptors and did not inhibit hepatic cytochrome P 450, indicating low drug-drug interaction potential. I was identified as the best compound of this series based on its overall profile of high potency, selectivity, low brain penetration, lack of CYP450 inhibition, high oral bioavailability, and pharmacokinetic properties.

IT 1005131-79-2P 1005132-12-6P 1005132-14-8P

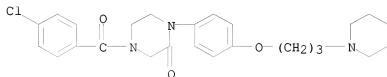
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(calculated PSA; preparation, histamine H3 receptor antagonistic activity,

and

SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 1005131-79-2 CAPLUS

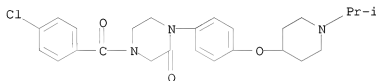
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-12-6 CAPLUS

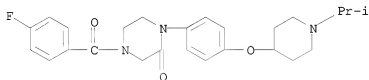
CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005132-14-8 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



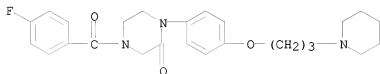
● HCl

IT 921614-67-7P

RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921614-67-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-(CA INDEX NAME)



IT 921627-29-4P 1005131-80-5P 1005131-93-0P
1005132-03-5P 1005132-21-7P 1005132-22-8P
1005132-23-9P

RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921627-29-4 CAPLUS

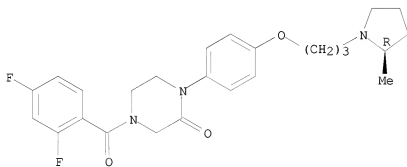
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921627-28-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

10/531,758



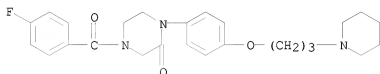
RN 1005131-80-5 CAPLUS

CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921614-67-7

CMF C25 H30 F N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



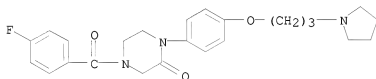
RN 1005131-93-0 CAPLUS

CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921614-73-5

CMF C24 H28 F N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



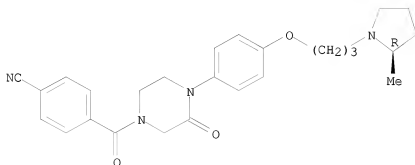
10/531,758

RN 1005132-03-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-80-7
CMF C26 H30 N4 O3

Absolute stereochemistry.

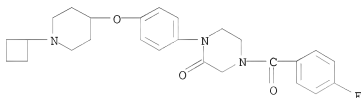


CM 2

CRN 64-18-6
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

RN 1005132-21-7 CAPLUS
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)-, hydrochloride (1:1) (CA INDEX NAME)



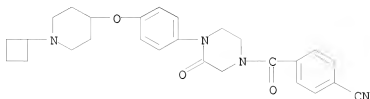
● HCl

RN 1005132-22-8 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

CM 1

10/531,758

CRN 921614-79-1
CMF C27 H30 N4 O3

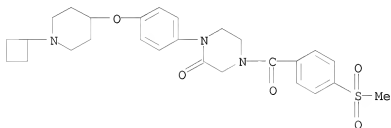


CM 2
CRN 64-18-6
CMF C H2 O2



RN 1005132-23-9 CAPLUS
CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1
CRN 921614-86-0
CMF C27 H33 N3 O5 S



CM 2
CRN 64-18-6
CMF C H2 O2



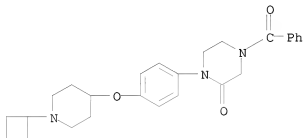
IT 921614-38-2P 921614-91-7P 921615-03-4P
921615-04-5P 921627-31-8P 1005131-77-0P

1005131-78-1P 1005131-81-6P 1005131-84-9P
 1005131-85-0P 1005131-87-2P 1005131-88-3P
 1005131-94-1P 1005131-98-5P 1005131-99-6P
 1005132-00-2P 1005132-01-3P 1005132-02-4P
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 1005132-30-8P 1005132-31-9P 1005132-32-0P
 1005132-33-1P 1005132-34-2P 1005132-36-4P
 1005132-38-6P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (calculated logD and PSA; preparation, histamine H3 receptor antagonistic activity, and SAR of (aminoalkoxyphenyl)ketopiperazines)

RN 921614-38-2 CAPLUS

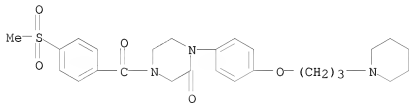
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

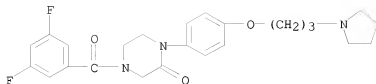
RN 921614-91-7 CAPLUS

CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



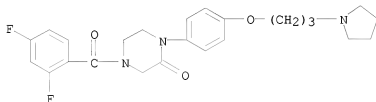
RN 921615-03-4 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-04-5 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921627-31-8 CAPLUS

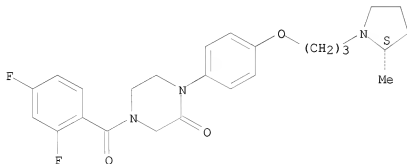
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-85-2

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

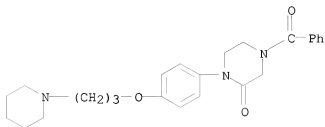
CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005131-77-0 CAPLUS

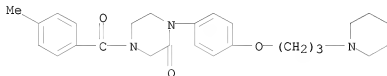
CN 2-Piperazinone, 4-benzoyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-78-1 CAPLUS

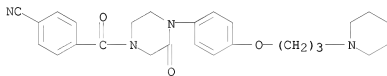
CN 2-Piperazinone, 4-(4-methylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-81-6 CAPLUS

CN Benzonitrile, 4-[[3-oxo-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1005131-84-9 CAPLUS

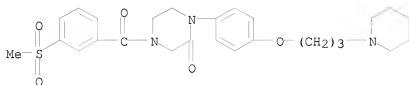
CN Formic acid, compd. with 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

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CM 1

CRN 921616-04-8

CMF C26 H33 N3 O5 S



CM 2

CRN 64-18-6

CMF C H2 O2



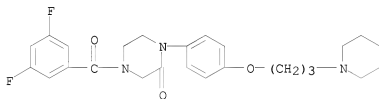
RN 1005131-85-0 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-07-8

CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



RN 1005131-87-2 CAPLUS

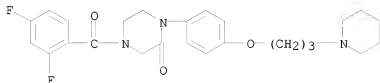
CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

10/531,758

CM 1

CRN 921615-08-9

CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2



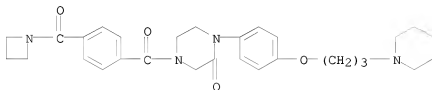
RN 1005131-88-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-97-6

CMF C29 H36 N4 O4



CM 2

CRN 64-18-6

CMF C H2 O2



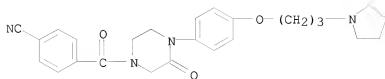
RN 1005131-94-1 CAPLUS

CN Formic acid, compd. with 4-[[3-oxo-4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzonitrile (1:1) (CA INDEX NAME)

CM 1

10/531,758

CRN 921616-23-1
CMF C25 H28 N4 O3



CM 2

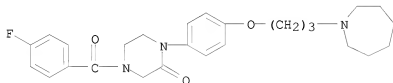
CRN 64-18-6
CMF C H2 O2



RN 1005131-98-5 CAPLUS
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921614-75-7
CMF C26 H32 F N3 O3



CM 2

CRN 64-18-6
CMF C H2 O2



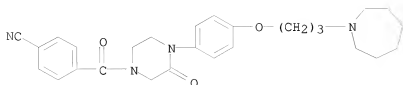
RN 1005131-99-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-43-2

10/531,758

CMF C27 H32 N4 O3



CM 2

CRN 64-18-6
CMF C H2 O2

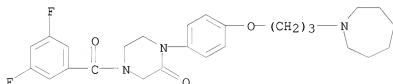
O=CH-OH

RN 1005132-00-2 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-38-5
CMF C26 H31 F2 N3 O3



CM 2

CRN 64-18-6
CMF C H2 O2

O=CH-OH

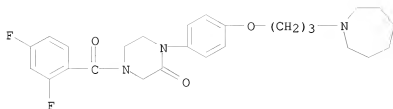
RN 1005132-01-3 CAPLUS

CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-37-4
CMF C26 H31 F2 N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-02-4 CAPLUS

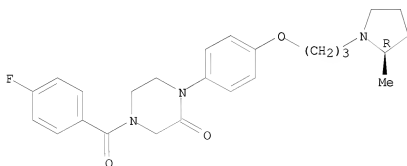
CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-95-4

CMF C25 H30 F N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

10/531,758

RN 1005132-05-7 CAPLUS

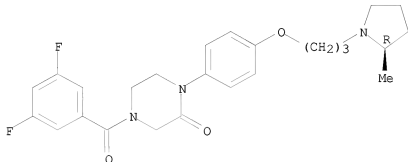
CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-94-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-07-9 CAPLUS

CN Formic acid, compd. with 4-(4-fluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

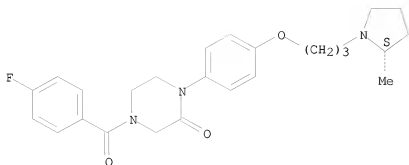
CM 1

CRN 921615-88-5

CMF C25 H30 F N3 O3

Absolute stereochemistry.

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2



RN 1005132-08-0 CAPLUS

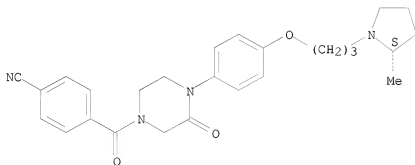
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-90-9

CMF C26 H30 N4 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2

10/531,758



RN 1005132-11-5 CAPLUS

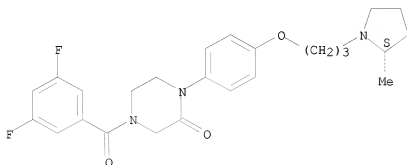
CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-86-3

CMF C25 H29 F2 N3 O3

Absolute stereochemistry.



CM 2

CRN 64-18-6

CMF C H2 O2



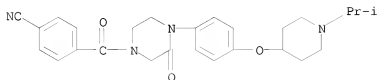
RN 1005132-15-9 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-18-1

CMF C26 H30 N4 O3



10/531,758

CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

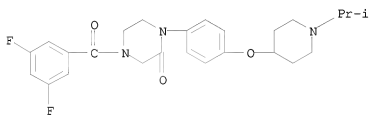
RN 1005132-16-0 CAPLUS

CN Formic acid, compd. with 4-(3,5-difluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-10-3

CMF C25 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

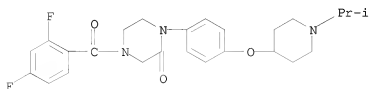
RN 1005132-18-2 CAPLUS

CN Formic acid, compd. with 4-(2,4-difluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-09-0

CMF C25 H29 F2 N3 O3



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CM 2

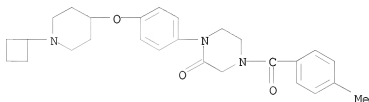
CRN 64-18-6

CMF C H2 O2

O=CH-OH

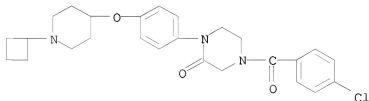
RN 1005132-19-3 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(4-methylbenzoyl)-, hydrochloride (1:1) (CA INDEX NAME)



RN 1005132-20-6 CAPLUS

CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



RN 1005132-26-2 CAPLUS

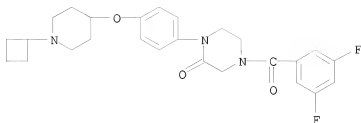
CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(3,5-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-16-9

CMF C26 H29 F2 N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

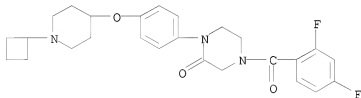
RN 1005132-28-4 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(2,4-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921614-81-5

CMF C26 H29 F2 N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-29-5 CAPLUS

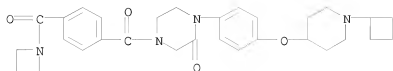
CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-25-0

10/531,758

CMF C30 H36 N4 O4



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

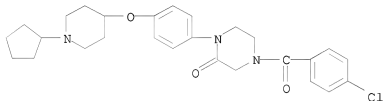
RN 1005132-30-8 CAPLUS

CN Formic acid, compd. with 4-(4-chlorobenzoyl)-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-51-2

CMF C27 H32 Cl N3 O3



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 1005132-31-9 CAPLUS

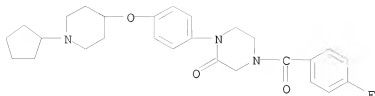
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-28-3

CMF C27 H32 F N3 O3

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2



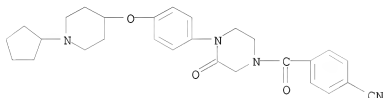
RN 1005132-32-0 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

CM 1

CRN 921615-23-8

CMF C28 H32 N4 O3



CM 2

CRN 64-18-6

CMF C H2 O2



RN 1005132-33-1 CAPLUS

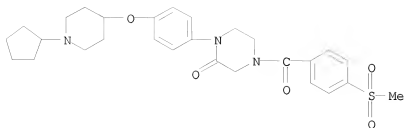
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyloxy)phenyl]-4-[4-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921615-33-0

CMF C28 H35 N3 O5 S

10/531,758



CM 2

CRN 64-18-6

CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

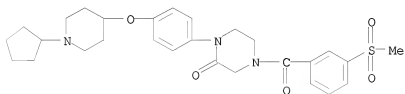
RN 1005132-34-2 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

CRN 921616-45-7

CMF C28 H35 N3 O5 S



CM 2

CRN 64-18-6

CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

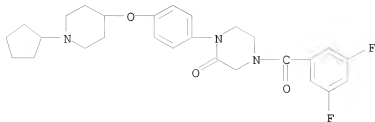
RN 1005132-36-4 CAPLUS

CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(3,5-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1

10/531,758

CRN 921615-32-9
CMF C27 H31 F2 N3 O3

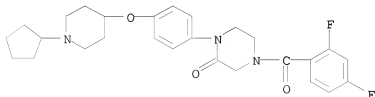


CM 2
CRN 64-18-6
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

RN 1005132-38-6 CAPLUS
CN Formic acid, compd. with 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(2,4-difluorobenzoyl)-2-piperazinone (1:1) (CA INDEX NAME)

CM 1
CRN 921615-30-7
CMF C27 H31 F2 N3 O3



CM 2
CRN 64-18-6
CMF C H2 O2

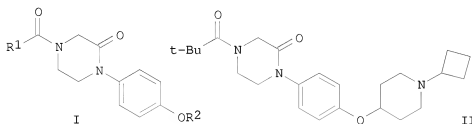
$\text{O}=\text{CH}-\text{OH}$

REFERENCE COUNT: 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/531,758

L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:88171 CAPLUS
 DOCUMENT NUMBER: 146:184494
 TITLE: Preparation of piperazinone derivatives as histamine
 H3 receptor antagonists and/or inverse agonists
 INVENTOR(S): Ancliff, Rachael Ann; Bamford, Mark James; Hodgson,
 Simon Teanby; Parr, Christopher Allan; Procopiou,
 Panayiotis Alexandrou; Wilson, David Matthew; Woodrow,
 Michael
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 77pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-------------------|------------|
| WO 2007009741 | A1 | 20070125 | WO 2006-EP7036 | 20060717 |
| <p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW</p> <p>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p> | | | | |
| PRIORITY APPLN. INFO.: | | | GB 2005-14812 | A 20050719 |
| OTHER SOURCE(S): | | | MARPAT 146:184494 | |
| GI | | | | |



AB The title compds. I [wherein R₁ = alkyl, alkoxy, aryl, etc.; R₂ = (un)substituted aminoalkyl, heterocyclylalkyl, etc.; with a proviso] or salts or solvates thereof are prepared for the treatment of various disorders, such as allergic rhinitis. For example, the compound II•HCl was prepared in a multi-step synthesis. Most of compds. I showed pK_i (pK_b) of >8.0 μM and <6.0 μM against human H₃ and H₁ receptors, resp.

IT 921614-37-1P 921614-38-2P 921614-40-6P
 921614-41-7P 921614-42-8P 921614-43-9P

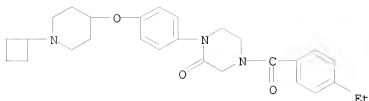
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 921616-47-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of piperazinone derivs. as histamine H3
 receptor antagonists and/or inverse agonists)

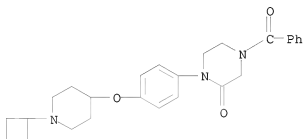
RN 921614-37-1 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(4-
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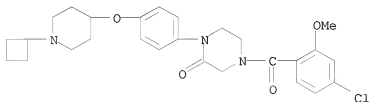
● HCl

RN 921614-38-2 CAPLUS
CN 2-Piperazinone, 4-benzoyl-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)

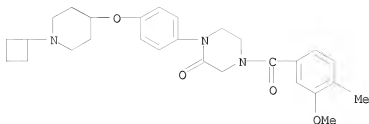


● HCl

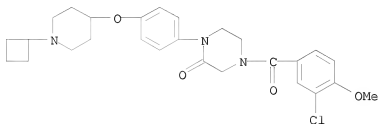
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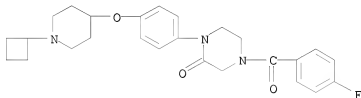
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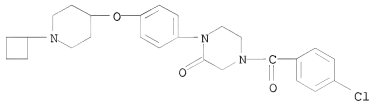
RN 921614-42-8 CAPLUS
CN 2-Piperazinone, 4-(3-chloro-4-methoxybenzoyl)-1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



RN 921614-43-9 CAPLUS
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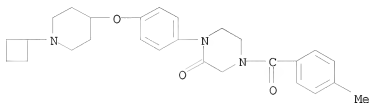


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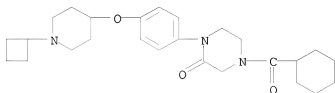
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CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(4-methylbenzoyl)- (CA INDEX NAME)



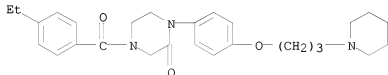
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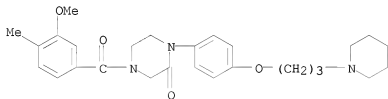
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CN 2-Piperazinone, 4-(4-ethylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



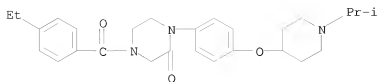
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CN 2-Piperazinone, 4-(3-methoxy-4-methylbenzoyl)-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



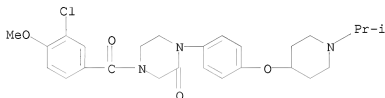
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CN 2-Piperazinone, 4-(4-ethylbenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



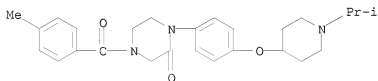
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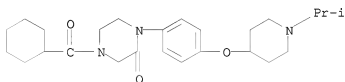
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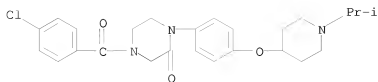
RN 921614-57-5 CAPLUS

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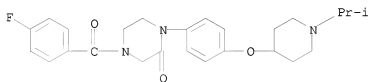
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CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



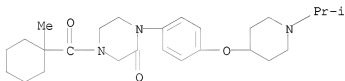
RN 921614-59-7 CAPLUS

CN 2-Piperazinone, 4-[(4-fluorobenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-] (CA INDEX NAME)



RN 921614-60-0 CAPLUS

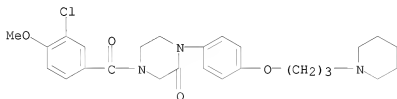
CN 2-Piperazinone, 4-[(1-methylcyclohexyl)carbonyl]-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

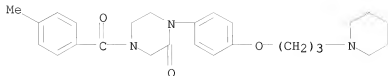
RN 921614-62-2 CAPLUS

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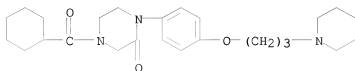
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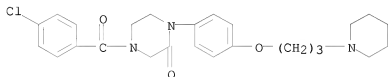
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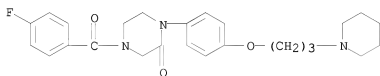
RN 921614-65-5 CAPLUS

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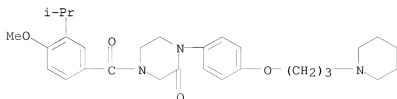
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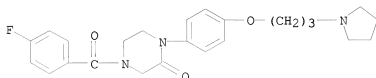
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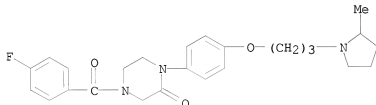
RN 921614-73-5 CAPLUS

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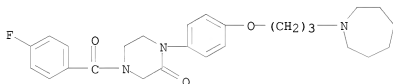
RN 921614-74-6 CAPLUS

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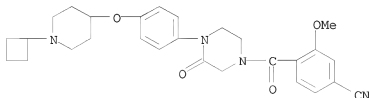
RN 921614-75-7 CAPLUS

CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



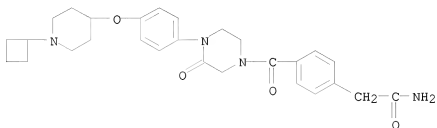
RN 921614-76-8 CAPLUS

CN Benzonitrile, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-3-methoxy- (CA INDEX NAME)



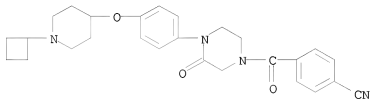
RN 921614-78-0 CAPLUS

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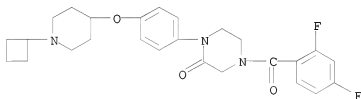
RN 921614-79-1 CAPLUS

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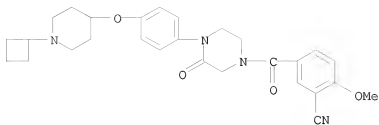
RN 921614-81-5 CAPLUS

CN 2-Piperazinone, 1-[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-(2,4-difluorobenzoyl)- (CA INDEX NAME)



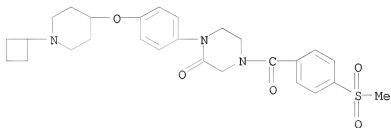
RN 921614-83-7 CAPLUS

CN Benzonitrile, 5-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-2-methoxy- (CA INDEX NAME)



RN 921614-86-0 CAPLUS

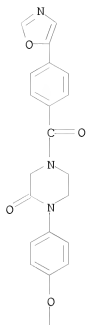
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyloxy)phenyl]-4-(methanesulfonyl)benzoyl]- (CA INDEX NAME)



RN 921614-89-3 CAPLUS

CN 2-Piperazinone, 4-[4-(5-oxazolyl)benzoyl]-1-[4-[3-(1-piperidinyloxy)propoxy]phenyl]- (CA INDEX NAME)

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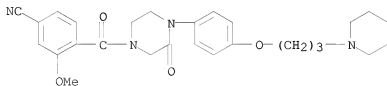


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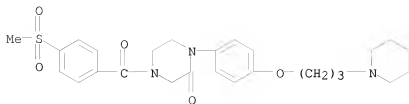
RN 921614-90-6 CAPLUS

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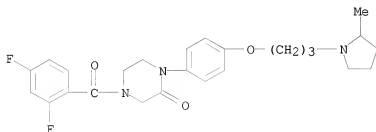
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CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



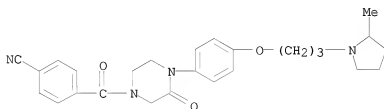
RN 921614-94-0 CAPLUS

CN 2-Piperazinone, 4-[(2,4-difluorobenzoyl)-1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl- (CA INDEX NAME)



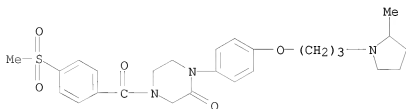
RN 921614-95-1 CAPLUS

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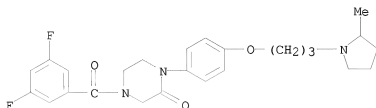
RN 921614-96-2 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



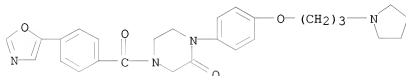
RN 921614-98-4 CAPLUS

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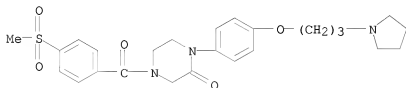
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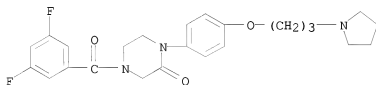
RN 921615-02-3 CAPLUS

CN 2-Piperazinone, 4-[4-(methylsulfonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



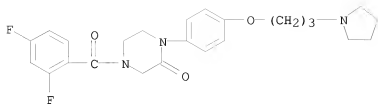
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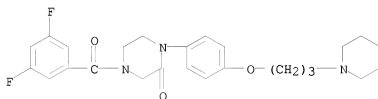
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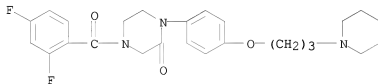
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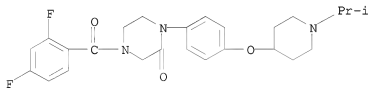
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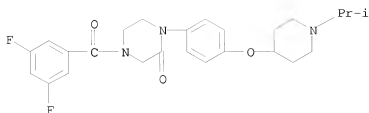
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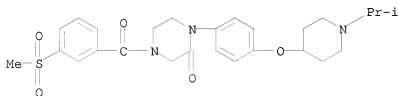
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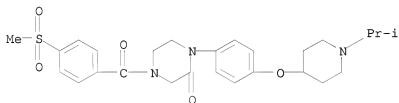
RN 921615-11-4 CAPLUS

CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921615-12-5 CAPLUS

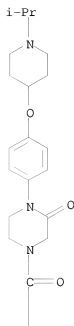
CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



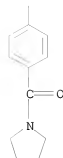
RN 921615-13-6 CAPLUS

CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

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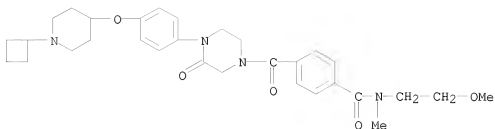


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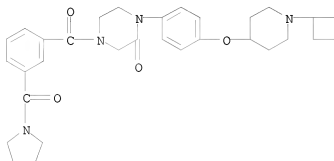
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CN Benzamide, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)



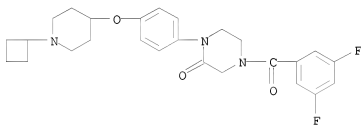
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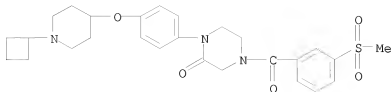
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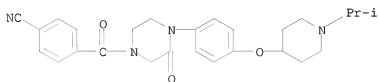
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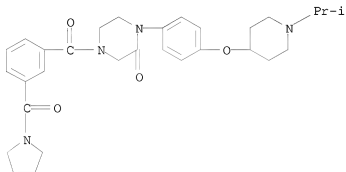
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CN Benzonitrile, 4-[[4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



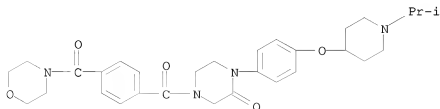
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CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



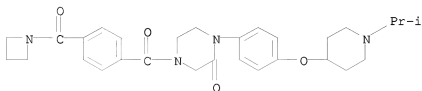
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CN 2-Piperazinone, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(4-morpholinylcarbonyl)benzoyl]- (CA INDEX NAME)



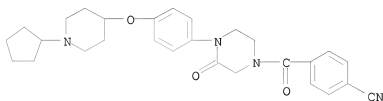
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CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



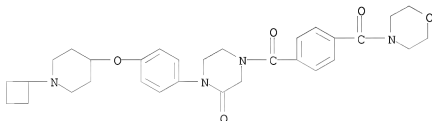
RN 921615-23-8 CAPLUS

CN Benzonitrile, 4-[[4-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



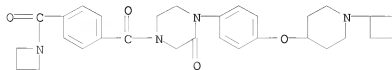
RN 921615-24-9 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(4-morpholinylcarbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-25-0 CAPLUS

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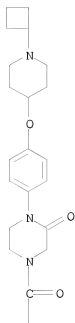


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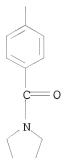
CN 2-Piperazinone, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(1-

pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

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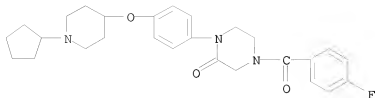


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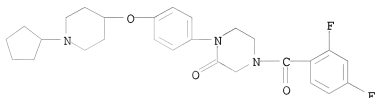
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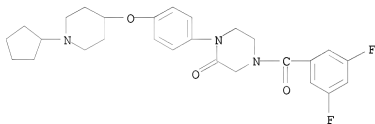
RN 921615-30-7 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(2,4-difluorobenzoyl)- (CA INDEX NAME)



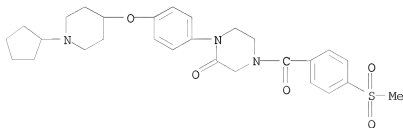
RN 921615-32-9 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-(3,5-difluorobenzoyl)- (CA INDEX NAME)



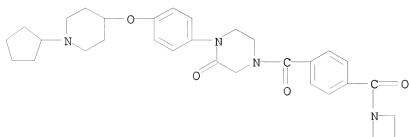
RN 921615-33-0 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



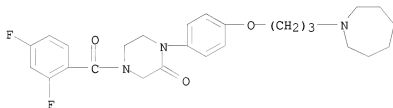
RN 921615-35-2 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



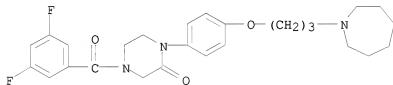
RN 921615-37-4 CAPLUS

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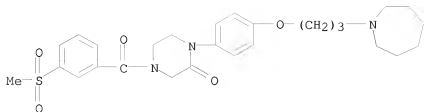
RN 921615-38-5 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (CA INDEX NAME)



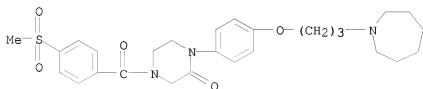
RN 921615-40-9 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



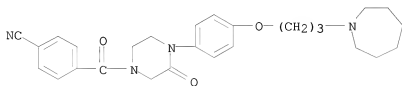
RN 921615-41-0 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



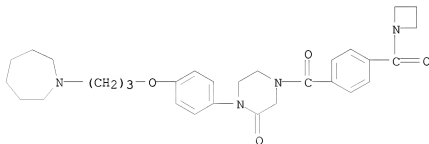
RN 921615-43-2 CAPLUS

CN Benzonitrile, 4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)



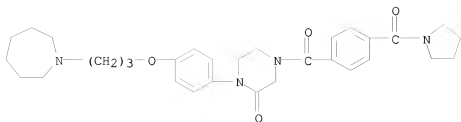
RN 921615-45-4 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



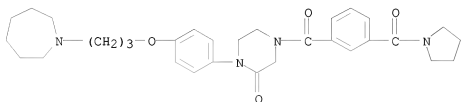
RN 921615-47-6 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



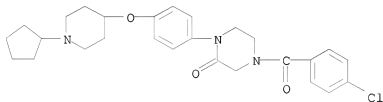
RN 921615-49-8 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)



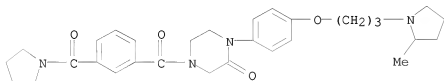
RN 921615-51-2 CAPLUS

CN 2-Piperazinone, 4-(4-chlorobenzoyl)-1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



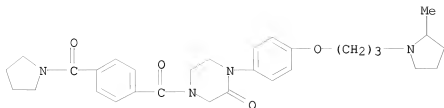
RN 921615-52-3 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (CA INDEX NAME)

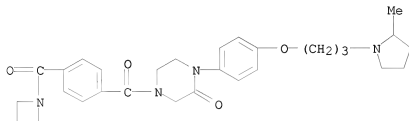


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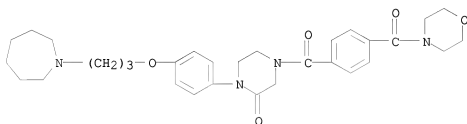
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RN 921615-55-6 CAPLUS
CN 2-Piperazinone, 4-[4-(1-azetidiny carbonyl)benzoyl]-1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

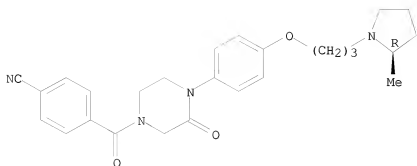


RN 921615-57-8 CAPLUS
CN 2-Piperazinone, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[4-(4-morpholinyl carbonyl)benzoyl]- (CA INDEX NAME)



RN 921615-80-7 CAPLUS
CN Benzonitrile, 4-[[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)

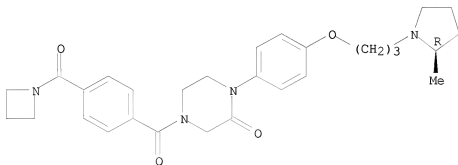
Absolute stereochemistry.



RN 921615-82-9 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidiny carbonyl)benzoyl]-1-[4-[3-[(2R)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

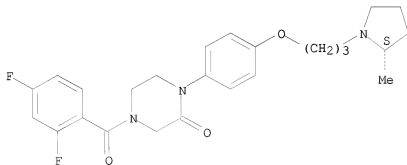
Absolute stereochemistry.



RN 921615-85-2 CAPLUS

CN 2-Piperazinone, 4-(2,4-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

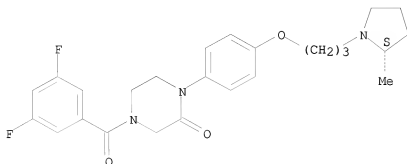


RN 921615-86-3 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2S)-2-methyl-1-pyrrolidiny]propoxy]phenyl]- (CA INDEX NAME)

pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

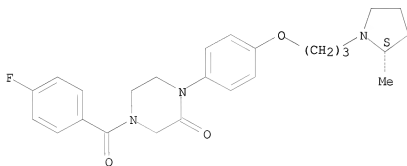
Absolute stereochemistry.



RN 921615-88-5 CAPLUS

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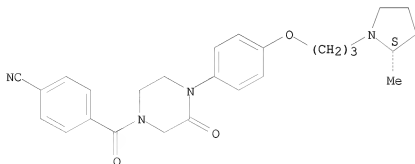
Absolute stereochemistry.



RN 921615-90-9 CAPLUS

CN Benzonitrile, 4-[[4-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]-3-oxo-1-piperazinyl]carbonyl]- (CA INDEX NAME)

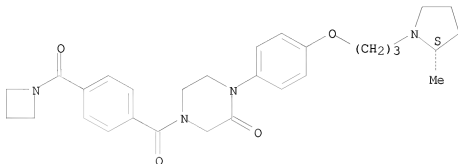
Absolute stereochemistry.



RN 921615-92-1 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[3-[(2S)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

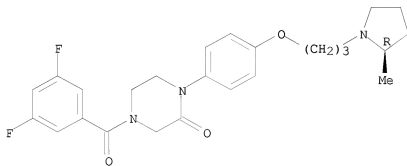
Absolute stereochemistry.



RN 921615-94-3 CAPLUS

CN 2-Piperazinone, 4-(3,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

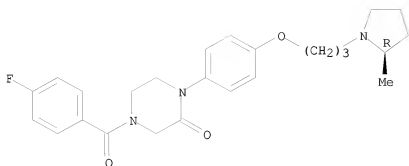
Absolute stereochemistry.



RN 921615-95-4 CAPLUS

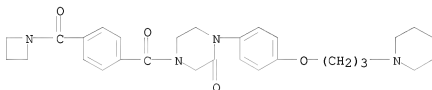
CN 2-Piperazinone, 4-(4-fluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



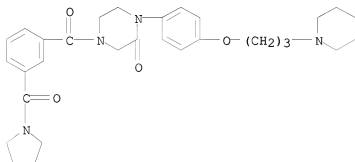
RN 921615-97-6 CAPLUS

CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921615-99-8 CAPLUS

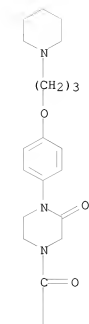
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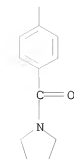
RN 921616-01-5 CAPLUS

CN 2-Piperazinone, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylicarbonyl)benzoyl]- (CA INDEX NAME)

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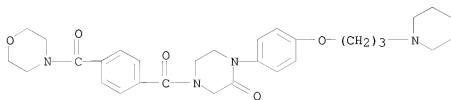


PAGE 2-A



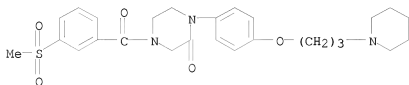
RN 921616-03-7 CAPLUS

CN 2-Piperazinone, 4-[4-(4-morpholinylcarbonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



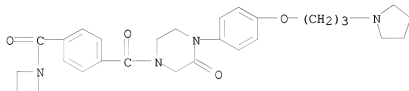
RN 921616-04-8 CAPLUS

CN 2-Piperazinone, 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



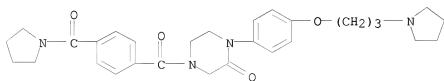
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CN 2-Piperazinone, 4-[4-(1-azetidinylicarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



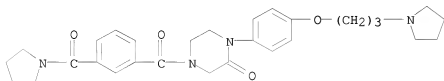
RN 921616-16-2 CAPLUS

CN 2-Piperazinone, 4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 921616-17-3 CAPLUS

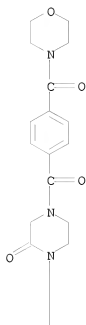
CN 2-Piperazinone, 4-[3-(1-pyrrolidinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



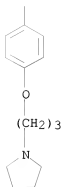
RN 921616-18-4 CAPLUS

CN 2-Piperazinone, 4-[4-(4-morpholinylcarbonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

PAGE 1-A

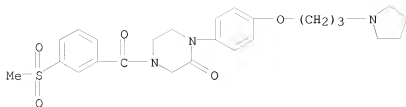


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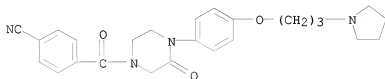


RN 921616-19-5 CAPLUS

CN 2-Piperazinone, 4-[3-(methylsulfonyl)benzoyl]-1-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)

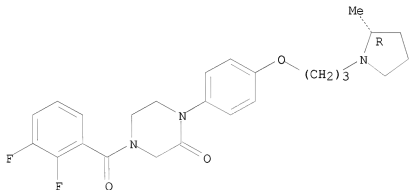


RN 921616-23-1 CAPLUS
CN Benzonitrile, 4-[[[3-oxo-4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



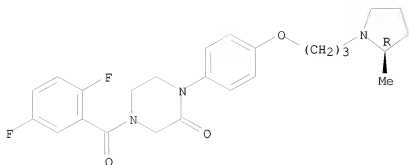
RN 921616-34-4 CAPLUS
CN 2-Piperazinone, 4-(2,3-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 921616-35-5 CAPLUS
CN 2-Piperazinone, 4-(2,5-difluorobenzoyl)-1-[4-[3-[(2R)-2-methyl-1-pyrrolidinyl]propoxy]phenyl]- (CA INDEX NAME)

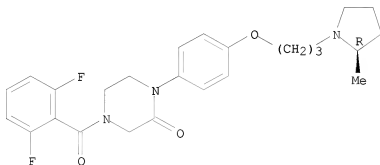
Absolute stereochemistry.



RN 921616-36-6 CAPLUS

CN 2-Piperazinone, 4-((2,6-difluorobenzoyl)amino)-1-([4-(3-((2R)-2-methyl-1-pyrrolidinyl)propoxy)phenyl]oxy)- (CA INDEX NAME)

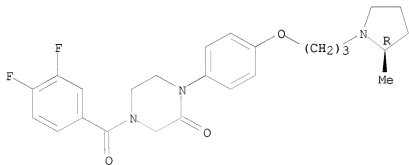
Absolute stereochemistry.



RN 921616-37-7 CAPLUS

CN 2-Piperazinone, 4-((3,4-difluorobenzoyl)amino)-1-([4-(3-((2R)-2-methyl-1-pyrrolidinyl)propoxy)phenyl]oxy)- (CA INDEX NAME)

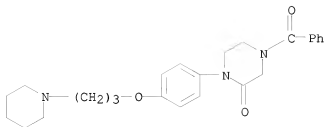
Absolute stereochemistry.



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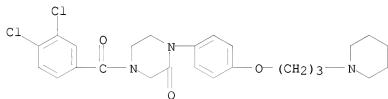
CN 2-Piperazinone, 4-benzoyl-1-([4-(3-(1-piperidinyl)propoxy)phenyl]oxy)- (CA

INDEX NAME)



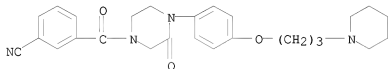
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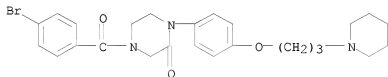
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CN Benzonitrile, 3-[[3-oxo-4-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperazinyl]carbonyl]-1-piperazinyl]carbonyl- (CA INDEX NAME)



RN 921616-41-3 CAPLUS

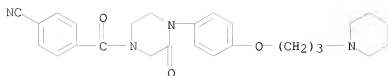
CN 2-Piperazinone, 4-(4-bromobenzoyl)-1-[4-[3-(1-piperidinyloxypropoxy)phenyl]-1-piperidinyloxypropoxy]phenyl- (CA INDEX NAME)



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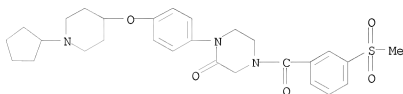
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10/531,758



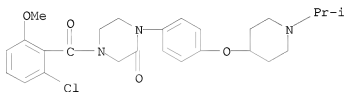
RN 921616-45-7 CAPLUS

CN 2-Piperazinone, 1-[4-[(1-cyclopentyl-4-piperidinyl)oxy]phenyl]-4-[3-(methylsulfonyl)benzoyl]- (CA INDEX NAME)



RN 921616-47-9 CAPLUS

CN 2-Piperazinone, 4-(2-chloro-6-methoxybenzoyl)-1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:74880 CAPLUS

DOCUMENT NUMBER: 144:171014

TITLE: Preparation of 1-{4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl}-4-[(4-(methylsulfonyl)phenyl)carbonyl]piperazine or a derivative thereof for use in treating inflammation or allergies

INVENTOR(S): Ancliff, Ranchael Ann; Eldred, Colin David; Fogden, Yvonne C.; Hancock, Ashley Paul; Heightman, Thomas Daniel; Hobbs, Heather; Hodgson, Simon Teanby; Linton, Matthew J.; Wilson, David Matthew

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 12 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|-------------|
| US 2006019964 | A1 | 20060126 | US 2005-112048 | 20050422 |
| CN 101070309 | A | 20071114 | CN 2006-10108610 | 20031014 |
| WO 2006090142 | A1 | 20060831 | WO 2006-GB617 | 20060222 |
| WO 2006090142 | A9 | 20061102 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
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| JP 2007016041 | A | 20070125 | JP 2006-231163 | 20060828 |
| PRIORITY APPLN. INFO.: | | | | |
| | | | GB 2002-24084 | A 20021016 |
| | | | GB 2005-3846 | A 20050224 |
| | | | CN 2003-80106014 | A3 20031014 |
| | | | JP 2004-544241 | A3 20031014 |
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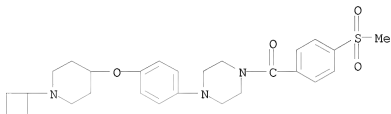
OTHER SOURCE(S): CASREACT 144:171014

AB 1-{4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl}-4-[(4-(methylsulfonyl)phenyl)carbonyl]piperazine (I) or a derivative thereof are claimed for use in treating inflammation or allergies. Adn1. claimed are pharmaceutical comps. containing I or its derivs. and a process for preparing

I from 1-[4-[(1-Cyclobutyl-4-piperidinyl)oxy]phenyl]piperazine (II) and

4-(methylsulfonyl)benzoic acid. II was prepared in 4 steps from di-tert-Bu dicarbonate and N-(4-hydroxyphenyl)piperazine. In in vitro bioassays, I and its derivs. indicated an average pKi(pKb) at H3 for approx. 9.6 and average pKi(pKb) at H1 of approx. 5.6.

- IT 874297-05-9P, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[[4-(methylsulfonyl)phenyl]carbonyl]piperazine
 RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of 1-{4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl}-4-{[4-(methylsulfonyl)phenyl]carbonyl}piperazine or a derivative thereof for use in treating inflammation or allergies)
- RN 874297-05-9 CAPLUS
- CN Piperazine, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:354923 CAPLUS

DOCUMENT NUMBER: 140:375196

TITLE: Preparation of substituted piperazines,
[1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes
as histamine H1 and/or H3 antagonists or histamine H3
reverse antagonists

INVENTOR(S): Ancliff, Rachael; Eldred, Colin David; Fogden, Yvonne
C.; Hancock, Ashley Paul; Heightman, Thomas Daniel;
Hobbs, Heather; Hodgson, Simon Teanby; Lindon, Matthew
J.; Wilson, David Matthew

PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 140 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

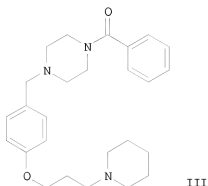
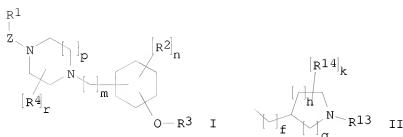
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|-------------|
| WO 2004035556 | A1 | 20040429 | WO 2003-EP11423 | 20031014 |
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| CA 2502249 | A1 | 20040429 | CA 2003-2502249 | 20031014 |
| AU 2003280380 | A1 | 20040504 | AU 2003-280380 | 20031014 |
| BR 2003015283 | A | 20050830 | BR 2003-15283 | 20031014 |
| EP 1567511 | A1 | 20050831 | EP 2003-772221 | 20031014 |
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| CN 1726201 | A | 20060125 | CN 2003-80106014 | 20031014 |
| JP 2006508935 | T | 20060316 | JP 2004-544241 | 20031014 |
| NZ 539446 | A | 20061130 | NZ 2003-539446 | 20031014 |
| CN 101070309 | A | 20071114 | CN 2006-10108610 | 20031014 |
| IN 2005KN00566 | A | 20060224 | IN 2005-KN566 | 20050404 |
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| US 2006025404 | A1 | 20060202 | US 2005-531758 | 20050414 |
| MX 2005PA04078 | A | 20050608 | MX 2005-PA4078 | 20050415 |
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| JP 2007016041 | A | 20070125 | JP 2006-231163 | 20060828 |
| PRIORITY APPLN. INFO.: | | | GB 2002-24084 | A 20021016 |
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| | | | JP 2004-544241 | A3 20031014 |
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OTHER SOURCE(S): MARPAT 140:375196

GI



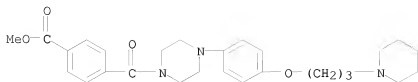
AB The title compds. [I; R¹ = H, alkyl, alkoxy, etc.; Z = a bond, CO, (un)substituted CONH, SO₂; p = 1-2; m, n, r = 0-2; R² = halo, alkyl, alkoxy, etc.; R³ = (CH₂)_qNR¹¹R¹², II (wherein q = 2-4; R¹¹, R¹² = alkyl, cycloalkyl; NR¹¹R¹² = heterocyclyl; R¹³ = H, alkyl, cycloalkyl, etc.; R¹⁴ = halo, alkyl, haloalkyl, etc.; f, k = 0-2; g = 0-2; h = 0-3, such that g and h cannot both be 0); R⁴ = H, alkyl such that when r = 2, two R⁴ groups may instead be linked to form CH₂, (CH₂)₂, (CH₂)₃; with the provisos], useful in the treatment of neurodegenerative disorders including Alzheimer's disease, and inflammatory diseases of the upper respiratory tract, were prepared. Thus, reacting 1-[4-(3-piperidin-1-ylpropoxy)benzyl]piperazine.3HCl (preparation given) with benzoic acid afforded 77% III which was tested in the histamine H₃ functional antagonist assay and showed pK_B of > 6.5. The pharmaceutical composition comprising the compound I is claimed.

IT 684247-33-4P 684248-09-7P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine H₁ and/or H₃ antagonists or histamine H₃ reverse antagonists)

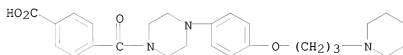
RN 684247-33-4 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684246-09-7 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



IT 684243-60-5P 684243-61-6P 684243-62-7P
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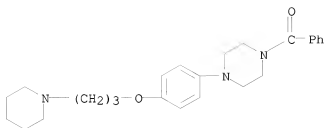
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

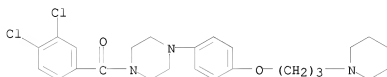
(preparation of substituted piperazines, [1,4]diazepines, and
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists
 or histamine H3 reverse antagonists)

RN 684243-60-5 CAPLUS

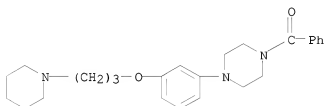
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 INDEX NAME)



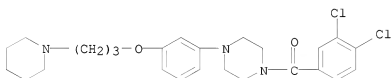
RN 684243-61-6 CAPLUS

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RN 684243-62-7 CAPLUS

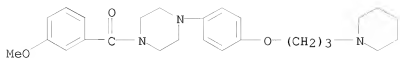
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INDEX NAME)

RN 684243-63-8 CAPLUS

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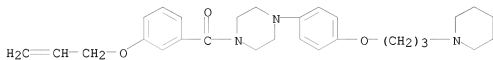
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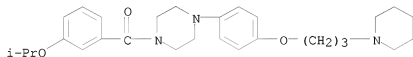
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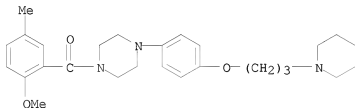
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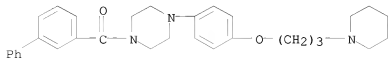
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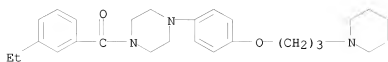
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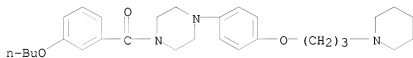
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(9CI) (CA INDEX NAME)

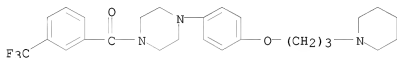


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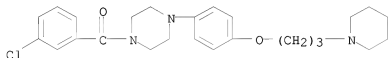
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RN 684244-27-7 CAPLUS

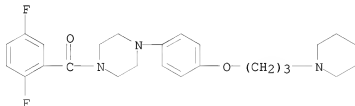
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



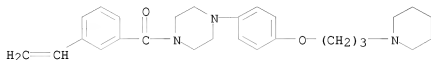
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RN 684244-29-9 CAPLUS

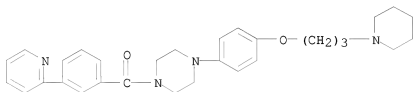
CN Piperazine, 1-(2,5-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

RN 684244-30-2 CAPLUS

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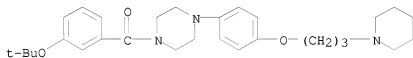
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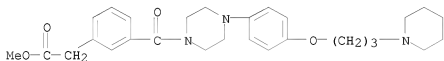
RN 684244-32-4 CAPLUS

CN Piperazine, 1-[3-(1,1-dimethylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



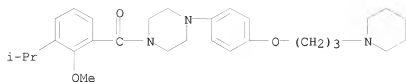
RN 684244-33-5 CAPLUS

CN Benzeneacetic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



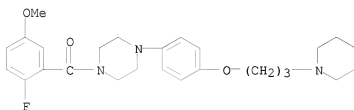
RN 684244-34-6 CAPLUS

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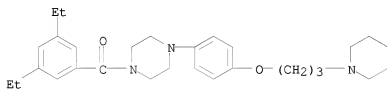
RN 684244-35-7 CAPLUS

CN Piperazine, 1-(2-fluoro-5-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



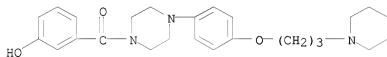
RN 684244-36-8 CAPLUS

CN Piperazine, 1-(3,5-diethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



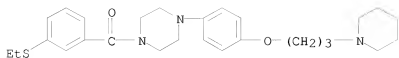
RN 684244-37-9 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



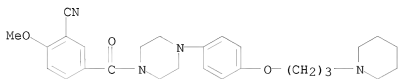
RN 684244-38-0 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



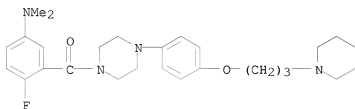
RN 684244-40-4 CAPLUS

CN Piperazine, 1-(3-cyano-4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



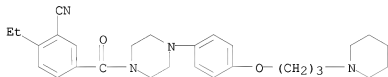
RN 684244-41-5 CAPLUS

CN Piperazine, 1-[5-(dimethylamino)-2-fluorobenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



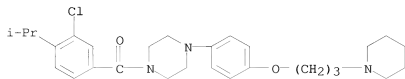
RN 684244-42-6 CAPLUS

CN Piperazine, 1-(3-cyano-4-ethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



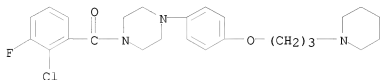
RN 684244-43-7 CAPLUS

CN Piperazine, 1-[3-chloro-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



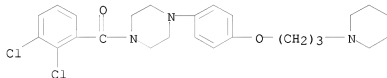
RN 684244-46-0 CAPLUS

CN Piperazine, 1-(2-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



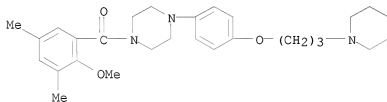
RN 684244-48-2 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



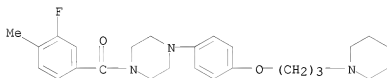
RN 684244-49-3 CAPLUS

CN Piperazine, 1-(2-methoxy-3,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



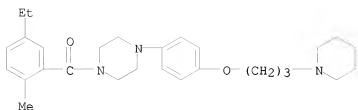
RN 684244-50-6 CAPLUS

CN Piperazine, 1-(3-fluoro-4-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



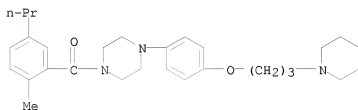
RN 684244-51-7 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



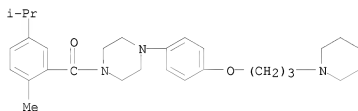
RN 684244-52-8 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



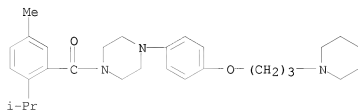
RN 684244-53-9 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



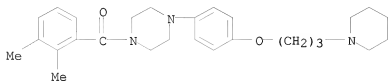
RN 684244-54-0 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



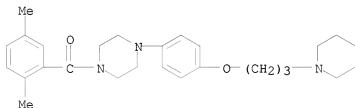
RN 684244-56-2 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



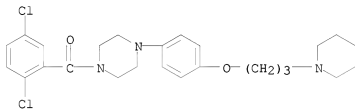
RN 684244-57-3 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



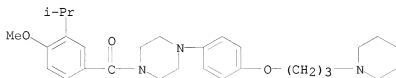
RN 684244-58-4 CAPLUS

CN Piperazine, 1-(2,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



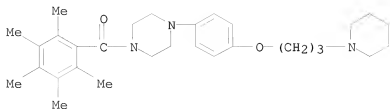
RN 684244-60-8 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



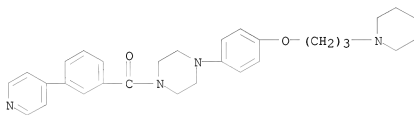
RN 684244-61-9 CAPLUS

CN Piperazine, 1-(pentamethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



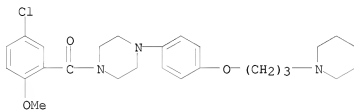
RN 684244-62-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(4-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



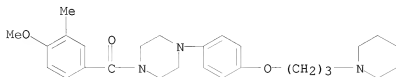
RN 684244-63-1 CAPLUS

CN Piperazine, 1-(5-chloro-2-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



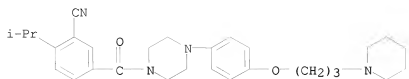
RN 684244-64-2 CAPLUS

CN Piperazine, 1-(4-methoxy-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



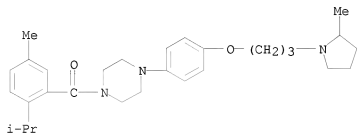
RN 684244-65-3 CAPLUS

CN Piperazine, 1-[3-cyano-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



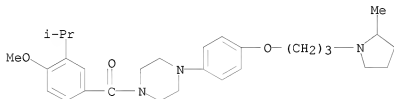
RN 684244-66-4 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



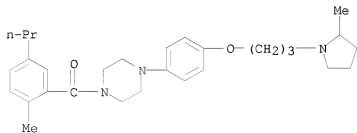
RN 684244-67-5 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-68-6 CAPLUS

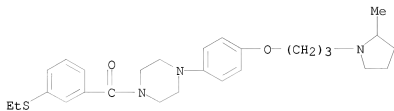
CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-69-7 CAPLUS

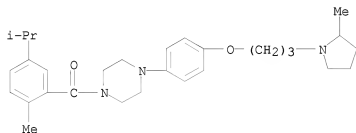
CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



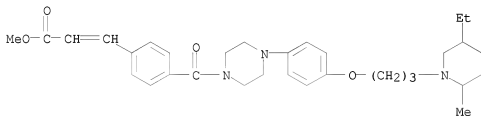
RN 684244-70-0 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



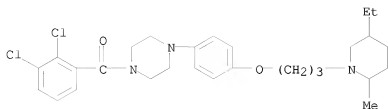
RN 684244-73-3 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester (CA INDEX NAME)



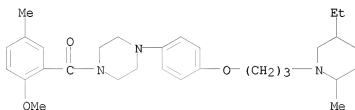
RN 684244-74-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



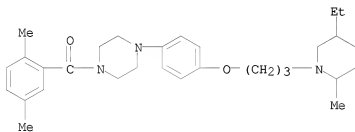
RN 684244-75-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



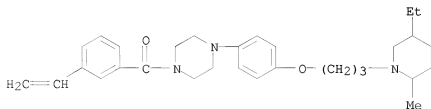
RN 684244-77-7 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



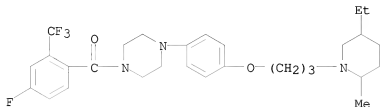
RN 684244-81-3 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



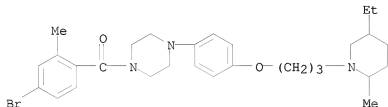
RN 684244-82-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



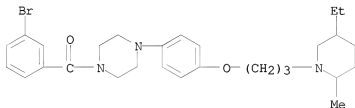
RN 684244-83-5 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



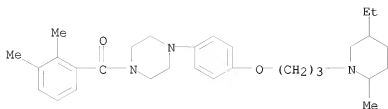
RN 684244-84-6 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



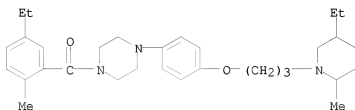
RN 684244-87-9 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



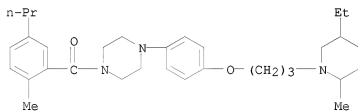
RN 684244-88-0 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



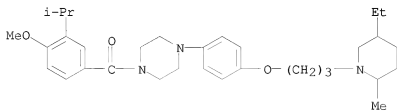
RN 684244-89-1 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



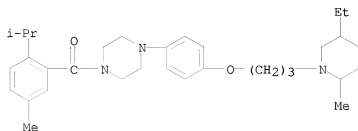
RN 684244-90-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



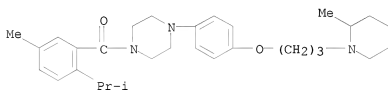
RN 684244-91-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



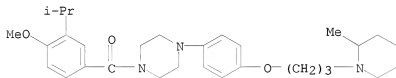
RN 684244-92-6 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



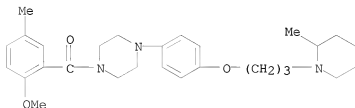
RN 684244-93-7 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-96-0 CAPLUS

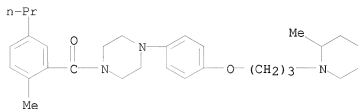
CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-97-1 CAPLUS

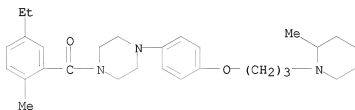
CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-

propylbenzoyl)- (9CI) (CA INDEX NAME)



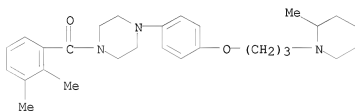
RN 684244-98-2 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



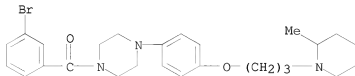
RN 684244-99-3 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-01-0 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-03-2 CAPLUS

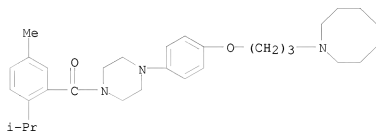
CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[5-methyl-

2-(1-methylethylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-02-1

CMF C31 H45 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



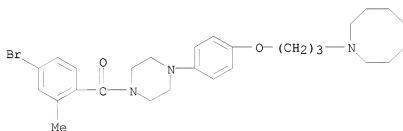
RN 684245-05-4 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-04-3

CMF C28 H38 Br N3 O2



CM 2

10/531,758

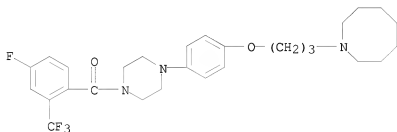
CRN 76-05-1
CMF C2 H F3 O2



RN 684245-07-6 CAPLUS
CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-06-5
CMF C28 H35 F4 N3 O2



CM 2

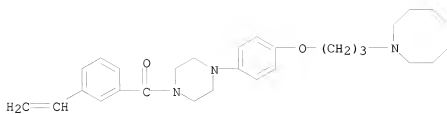
CRN 76-05-1
CMF C2 H F3 O2



RN 684245-09-8 CAPLUS
CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-08-7
CMF C29 H39 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



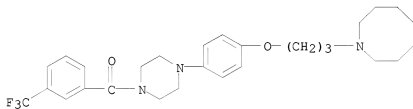
RN 684245-13-4 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-12-3

CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1

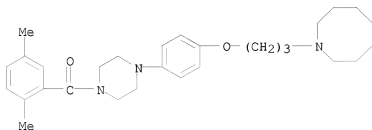
CMF C2 H F3 O2



RN 684245-15-6 CAPLUS
 CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-14-5
 CMF C29 H41 N3 O2



CM 2

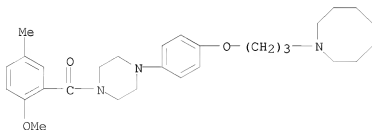
CRN 76-05-1
 CMF C2 H F3 O2



RN 684245-19-0 CAPLUS
 CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-18-9
 CMF C29 H41 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



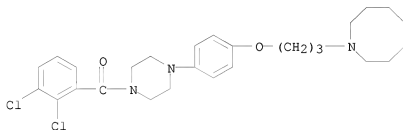
RN 684245-21-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-20-3

CMF C27 H35 Cl2 N3 O2



CM 2

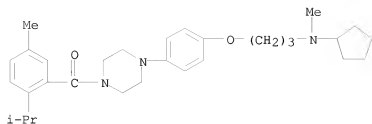
CRN 76-05-1

CMF C2 H F3 O2



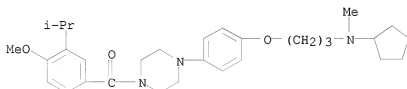
RN 684245-22-5 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



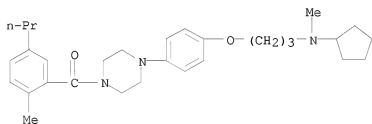
RN 684245-23-6 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



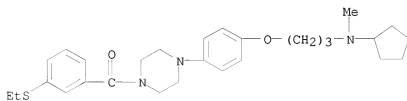
RN 684245-24-7 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-25-8 CAPLUS

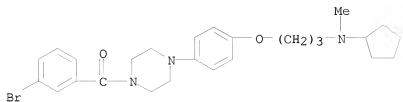
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-26-9 CAPLUS

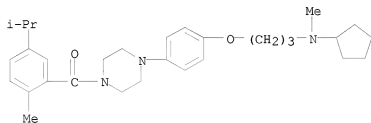
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)

nyl]- (9CI) (CA INDEX NAME)



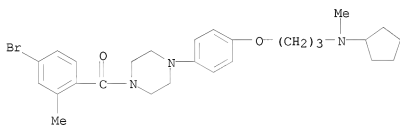
RN 684245-27-0 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



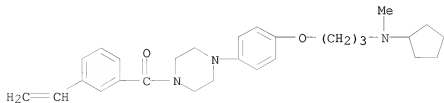
RN 684245-28-1 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



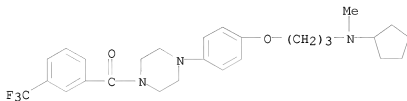
RN 684245-29-2 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(3-ethenylbenzoyl)- (9CI) (CA INDEX NAME)



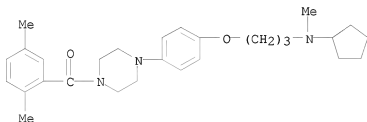
RN 684245-33-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



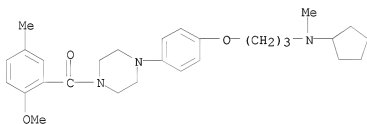
RN 684245-34-9 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,5-dimethylbenzoyl)- (9CI) (CA INDEX NAME)



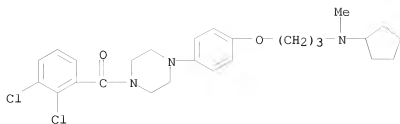
RN 684245-36-1 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



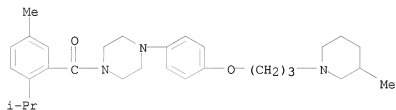
RN 684245-37-2 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,3-dichlorobenzoyl)- (9CI) (CA INDEX NAME)



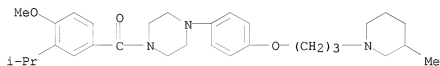
RN 684245-38-3 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



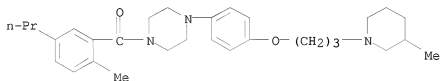
RN 684245-39-4 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



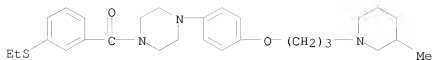
RN 684245-40-7 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



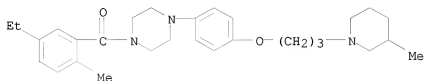
RN 684245-41-8 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



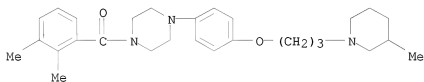
RN 684245-42-9 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



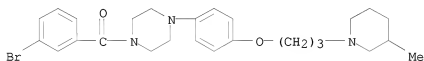
RN 684245-43-0 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



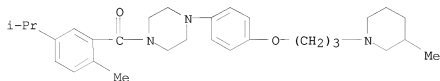
RN 684245-44-1 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



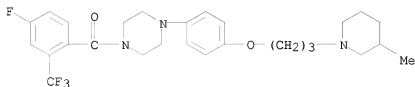
RN 684245-45-2 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



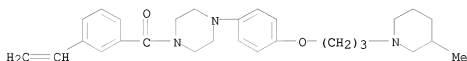
RN 684245-46-3 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



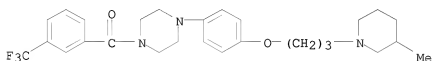
RN 684245-47-4 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



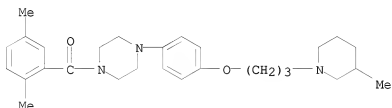
RN 684245-51-0 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



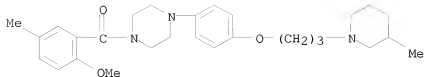
RN 684245-52-1 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



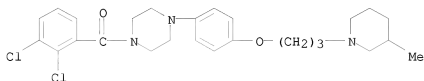
RN 684245-54-3 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-55-4 CAPLUS

CN Piperazine, 1-[(2,3-dichlorobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)



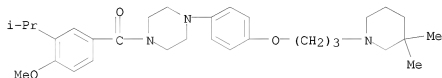
RN 684245-57-6 CAPLUS

CN Piperazine, 1-[(4-[3-(3,3-dimethyl-1-piperidinyloxy)propoxy]phenyl)-4-[4-methoxy-3-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-56-5

CMF C31 H45 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-59-8 CAPLUS

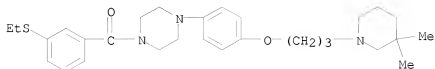
CN Piperazine, 1-[(4-[3-(3,3-dimethyl-1-piperidinyloxy)propoxy]phenyl)-4-[3-(ethylthio)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

10/531,758

CM 1

CRN 684245-58-7

CMF C29 H41 N3 O2 S



CM 2

CRN 76-05-1

CMF C2 H F3 O2



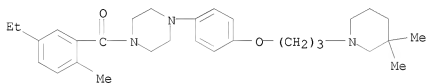
RN 684245-61-2 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidiny)propoxy]phenyl]-4-(5-ethyl-2-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-60-1

CMF C30 H43 N3 O2



CM 2

CRN 76-05-1

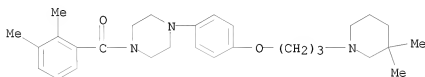
CMF C2 H F3 O2



RN 684245-63-4 CAPLUS
 CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-62-3
 CMF C29 H41 N3 O2



CM 2

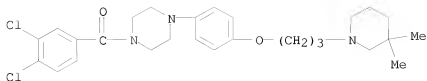
CRN 76-05-1
 CMF C2 H F3 O2



RN 684245-65-6 CAPLUS
 CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-64-5
 CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



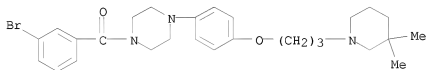
RN 684245-67-8 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-66-7

CMF C27 H36 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-69-0 CAPLUS

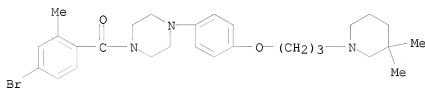
CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-

piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-68-9

CMF C28 H38 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



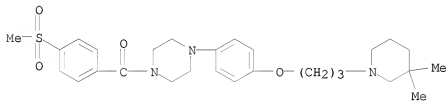
RN 684245-71-4 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-70-3

CMF C28 H39 N3 O4 S



CM 2

CRN 76-05-1

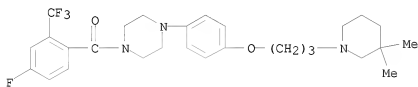
CMF C2 H F3 O2



RN 684245-73-6 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-72-5
 CMF C28 H35 F4 N3 O2



CM 2

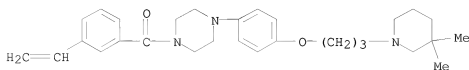
CRN 76-05-1
 CMF C2 H F3 O2



RN 684245-75-8 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(3-ethenylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-74-7
 CMF C29 H39 N3 O2



10/531,758

CM 2

CRN 76-05-1

CMF C2 H F3 O2



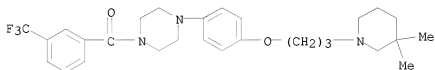
RN 684245-82-7 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-81-6

CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-84-9 CAPLUS

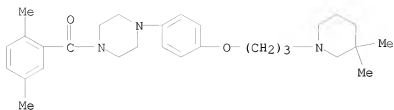
CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-83-8

CMF C29 H41 N3 O2

10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



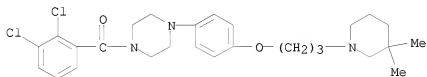
RN 684245-86-1 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-85-0

CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10/531,758

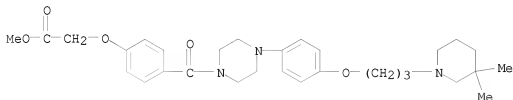
RN 684245-88-3 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-, methyl ester, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

CRN 684245-87-2

CMF C30 H41 N3 O5



CM 2

CRN 76-05-1

CMF C2 H F3 O2



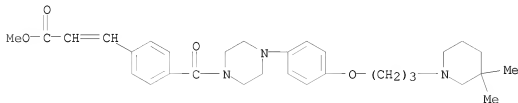
RN 684245-90-7 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-89-4

CMF C31 H41 N3 O4



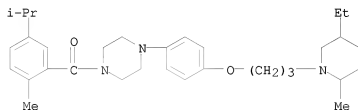
CM 2

10/531,758

CRN 76-05-1
CMF C2 H F3 O2



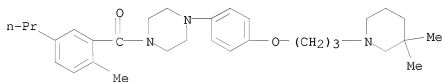
RN 684245-91-8 CAPLUS
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidiny)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-93-0 CAPLUS
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidiny)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-92-9
CMF C31 H45 N3 O2



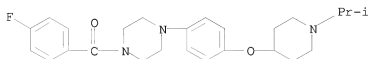
CM 2

CRN 76-05-1
CMF C2 H F3 O2



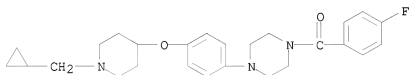
RN 684246-37-5 CAPLUS

CN Piperazine, 1-(4-(4-fluorobenzoyl)-4-[4-[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl)- (9CI) (CA INDEX NAME)



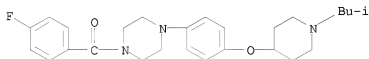
RN 684246-38-6 CAPLUS

CN Piperazine, 1-[4-[(1-(cyclopropylmethyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



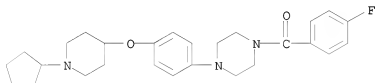
RN 684246-39-7 CAPLUS

CN Piperazine, 1-(4-(4-fluorobenzoyl)-4-[4-[1-(2-methylpropyl)-4-piperidinyl]oxy]phenyl)- (9CI) (CA INDEX NAME)



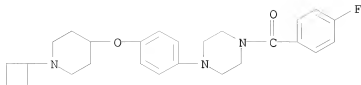
RN 684246-40-0 CAPLUS

CN Piperazine, 1-[4-[(1-(cyclopentyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



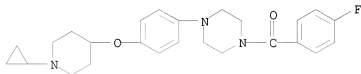
RN 684246-41-1 CAPLUS

CN Piperazine, 1-[4-[(1-(cyclobutyl)-4-piperidinyl]oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



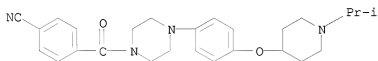
RN 684246-42-2 CAPLUS

CN Piperazine, 1-[4-[(1-cyclopropyl-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



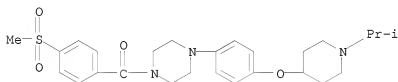
RN 684246-44-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-46-6 CAPLUS

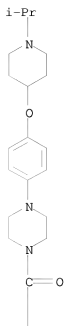
CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



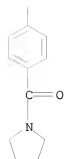
RN 684246-48-8 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

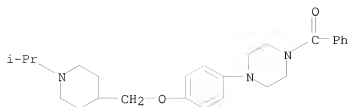
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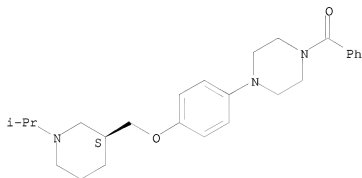
RN 684246-74-0 CAPLUS
 CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-4-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-75-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

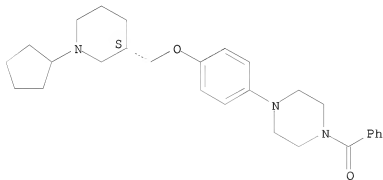
Absolute stereochemistry.



RN 684246-76-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

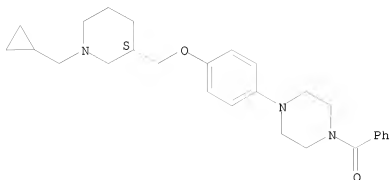


RN 684246-77-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

10/531,758

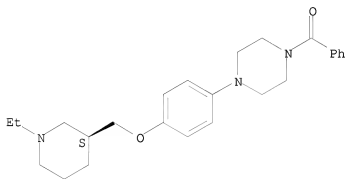
Absolute stereochemistry.



RN 684246-78-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[(3S)-1-ethyl-3-piperidinyl]methoxy]phenyl]-
(9CI) (CA INDEX NAME)

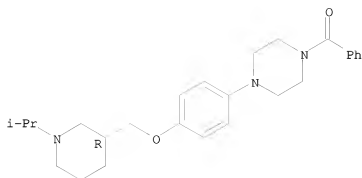
Absolute stereochemistry.



RN 684246-79-5 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[(3R)-1-(1-methylethyl)-3-
piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

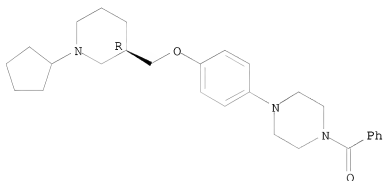
Absolute stereochemistry.



RN 684246-80-8 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3R)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

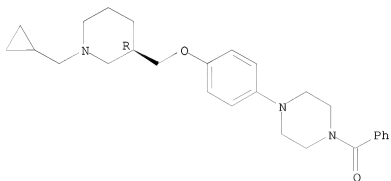
Absolute stereochemistry.



RN 684246-81-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3R)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

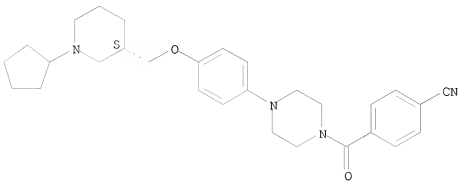
Absolute stereochemistry.



RN 684246-82-0 CAPLUS

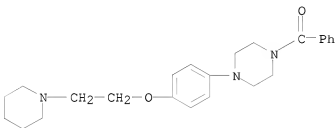
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[(3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



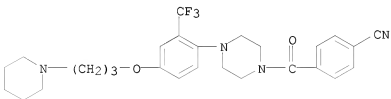
RN 684246-83-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[2-(1-piperidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)



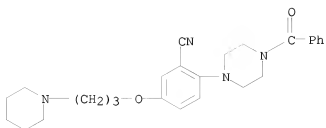
RN 684246-84-2 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



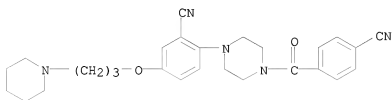
RN 684246-85-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



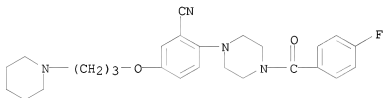
RN 684246-86-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-87-5 CAPLUS

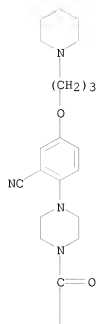
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



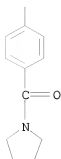
RN 684246-88-6 CAPLUS

CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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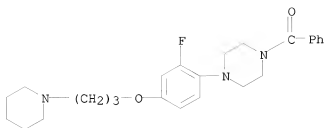


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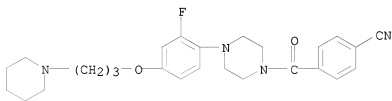
RN 684246-89-7 CAPLUS

CN Piperazine, 1-benzoyl-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



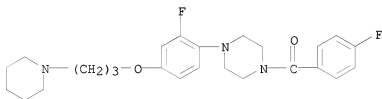
RN 684246-90-0 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-91-1 CAPLUS

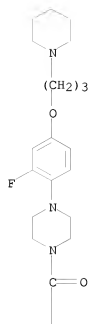
CN Piperazine, 1-(4-fluorobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



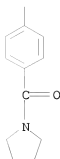
RN 684246-92-2 CAPLUS

CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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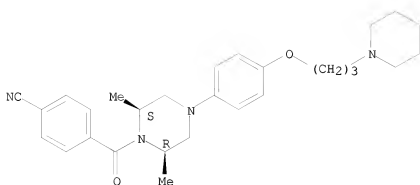
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RN 684246-95-5 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

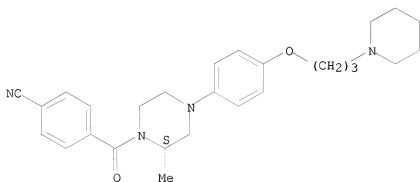
Relative stereochemistry.



RN 684246-97-7 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

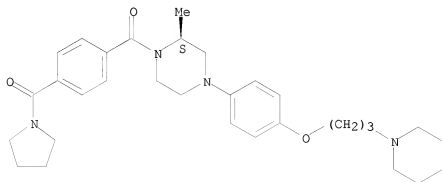
Absolute stereochemistry.



RN 684246-98-8 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2S)- (9CI) (CA INDEX NAME)

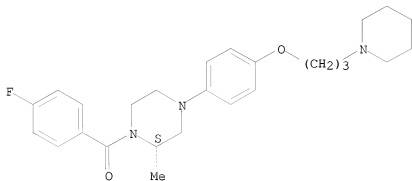
Absolute stereochemistry.



RN 684247-00-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

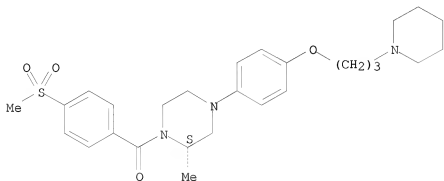
Absolute stereochemistry.



RN 684247-02-7 CAPLUS

CN Piperazine, 2-methyl-1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

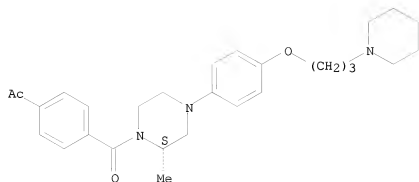
Absolute stereochemistry.



RN 684247-03-8 CAPLUS

CN Piperazine, 1-(4-acetylbenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

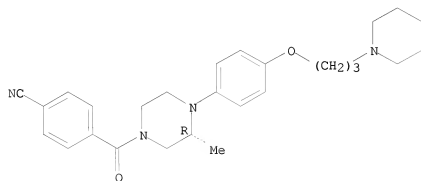
Absolute stereochemistry.



RN 684247-04-9 CAPLUS

CN Piperazine, 4-(4-cyanobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

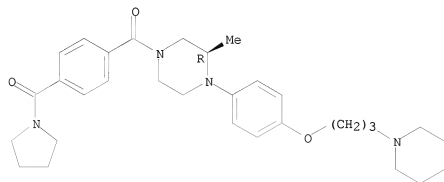
Absolute stereochemistry.



RN 684247-05-0 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R)- (9CI) (CA INDEX NAME)

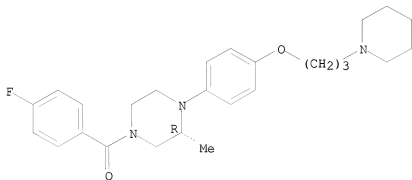
Absolute stereochemistry.



RN 684247-07-2 CAPLUS

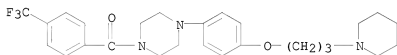
CN Piperazine, 4-(4-fluorobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



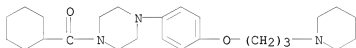
RN 684247-09-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



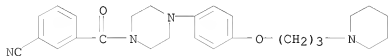
RN 684247-10-7 CAPLUS

CN Piperazine, 1-(cyclohexylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



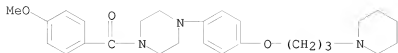
RN 684247-12-9 CAPLUS

CN Piperazine, 1-(3-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



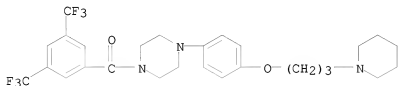
RN 684247-13-0 CAPLUS

CN Piperazine, 1-(4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



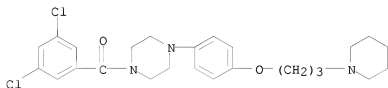
RN 684247-15-2 CAPLUS

CN Piperazine, 1-[3,5-bis(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



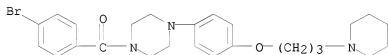
RN 684247-16-3 CAPLUS

CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



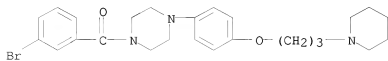
RN 684247-17-4 CAPLUS

CN Piperazine, 1-(4-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



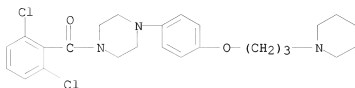
RN 684247-18-5 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



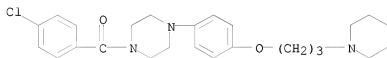
RN 684247-19-6 CAPLUS

CN Piperazine, 1-(2,6-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



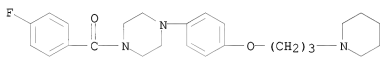
RN 684247-22-1 CAPLUS

CN Piperazine, 1-(4-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



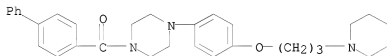
RN 684247-23-2 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



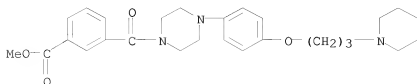
RN 684247-24-3 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



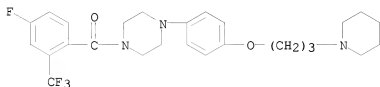
RN 684247-34-5 CAPLUS

CN Benzoic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



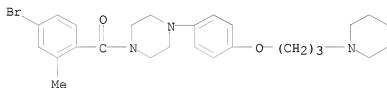
RN 684247-36-7 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



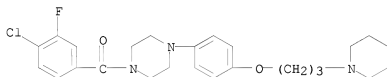
RN 684247-37-8 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



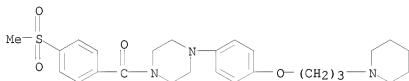
RN 684247-38-9 CAPLUS

CN Piperazine, 1-(4-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



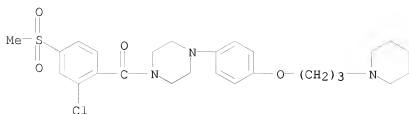
RN 684247-39-0 CAPLUS

CN Piperazine, 1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

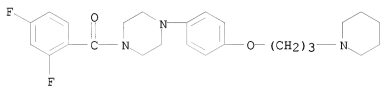


RN 684247-40-3 CAPLUS

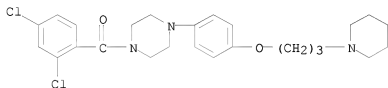
CN Piperazine, 1-[2-chloro-4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-41-4 CAPLUS

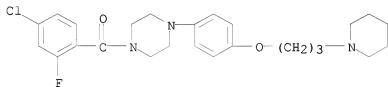
CN Piperazine, 1-(2,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

RN 684247-43-6 CAPLUS

CN Piperazine, 1-(2,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

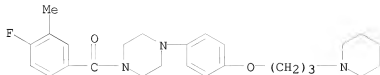
RN 684247-44-7 CAPLUS

CN Piperazine, 1-(4-chloro-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



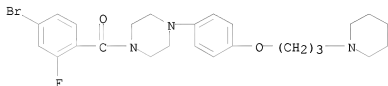
RN 684247-45-8 CAPLUS

CN Piperazine, 1-(4-fluoro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



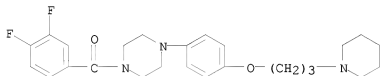
RN 684247-46-9 CAPLUS

CN Piperazine, 1-(4-bromo-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



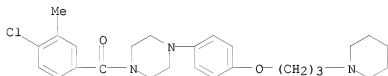
RN 684247-47-0 CAPLUS

CN Piperazine, 1-(3,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



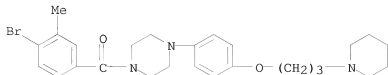
RN 684247-48-1 CAPLUS

CN Piperazine, 1-(4-chloro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



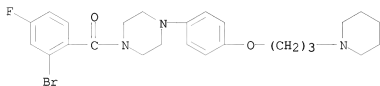
RN 684247-49-2 CAPLUS

CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



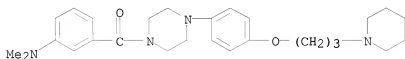
RN 684247-50-5 CAPLUS

CN Piperazine, 1-(2-bromo-4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



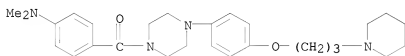
RN 684247-51-6 CAPLUS

CN Piperazine, 1-[3-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-52-7 CAPLUS

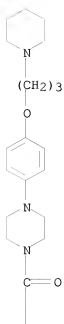
CN Piperazine, 1-[4-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



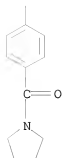
RN 684247-53-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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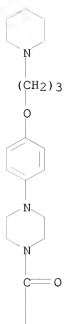
PAGE 2-A



RN 684247-58-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-pyrrol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)

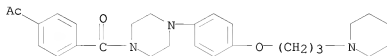
PAGE 1-A



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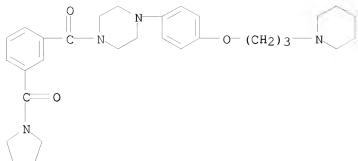


RN 684247-64-1 CAPLUS

CN Piperazine, 1-[4-(4-acetylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

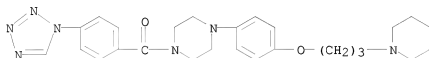
RN 684247-69-6 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(1-
pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)



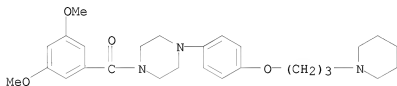
RN 684247-79-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-tetrazol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)



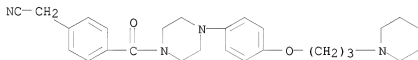
RN 684247-89-0 CAPLUS

CN Piperazine, 1-(3,5-dimethoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



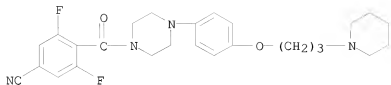
RN 684247-98-1 CAPLUS

CN Piperazine, 1-(4-(cyanomethyl)benzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



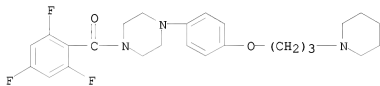
RN 684248-00-8 CAPLUS

CN Piperazine, 1-(4-cyano-2,6-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



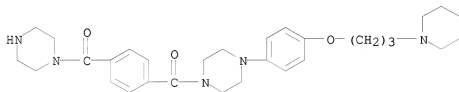
RN 684248-01-9 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2,4,6-trifluorobenzoyl)- (9CI) (CA INDEX NAME)



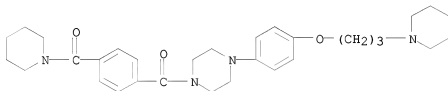
RN 684248-10-0 CAPLUS

CN Piperazine, 1-[4-(1-piperazinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



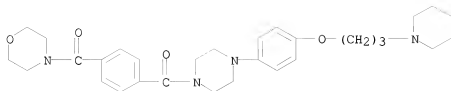
RN 684248-11-1 CAPLUS

CN Piperazine, 1-[4-(1-piperidinylcarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



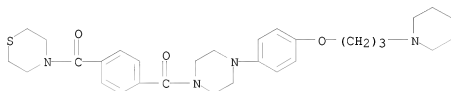
RN 684248-12-2 CAPLUS

CN Morpholine, 4-[4-[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



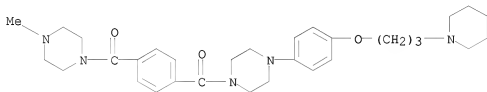
RN 684248-13-3 CAPLUS

CN Thiomorpholine, 4-[[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



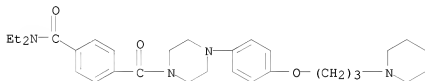
RN 684248-14-4 CAPLUS

CN Piperazine, 1-[4-[(4-methyl-1-piperazinyl)carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



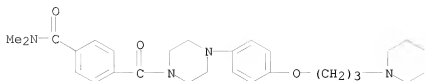
RN 684248-15-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



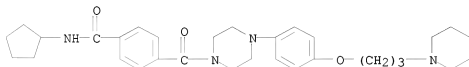
RN 684248-16-6 CAPLUS

CN Benzamide, N,N-dimethyl-4-[[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



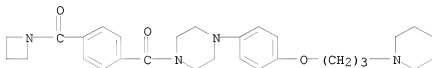
RN 684248-17-7 CAPLUS

CN Benzamide, N-cyclopentyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-18-8 CAPLUS

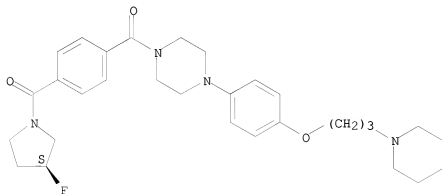
CN Piperazine, 1-[4-(1-azetidiny carbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-19-9 CAPLUS

CN Piperazine, 1-[4-[[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

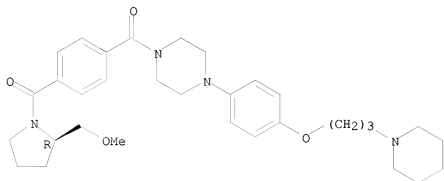


RN 684248-20-2 CAPLUS

CN Piperazine, 1-[4-[[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]benzoyl]-

4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

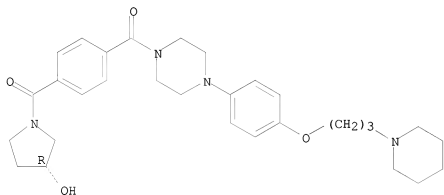
Absolute stereochemistry.



RN 684248-21-3 CAPLUS

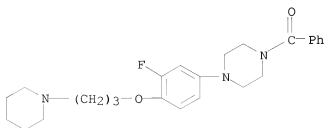
CN Piperazine, 1-[4-[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684248-22-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

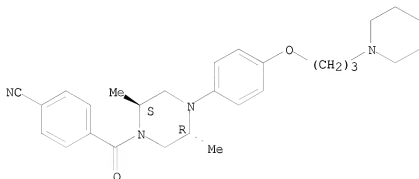


10/531,758

RN 684248-30-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

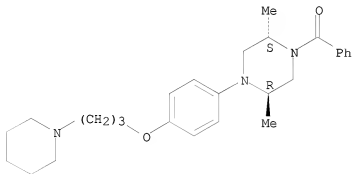
Relative stereochemistry.



RN 684248-31-5 CAPLUS

CN Piperazine, 1-benzoyl-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

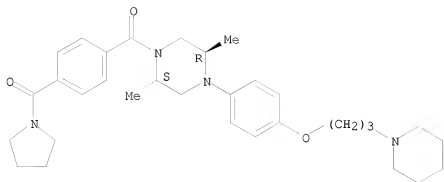


RN 684248-33-7 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

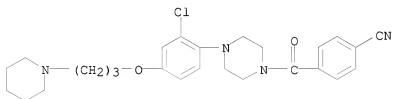
Relative stereochemistry.

10/531,758



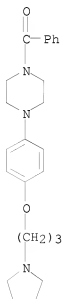
RN 684248-37-1 CAPLUS

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-cyanobenzoyl)- (9CI) (CA INDEX NAME)



RN 684248-38-2 CAPLUS

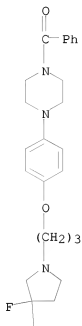
CN Piperazine, 1-benzoyl-4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-39-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(3,3-difluoro-1-pyrrolidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

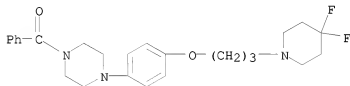
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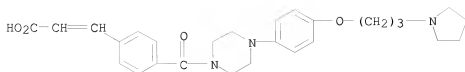


RN 684248-40-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(4,4-difluoro-1-piperidiny)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

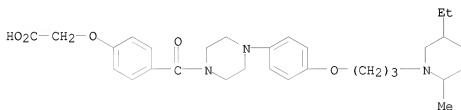
RN 684248-71-3 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



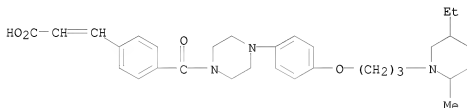
RN 684248-75-7 CAPLUS

CN Acetic acid, [4-[[4-[3-(5-ethyl-2-methyl-1-piperidinyloxy)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



RN 684248-76-8 CAPLUS

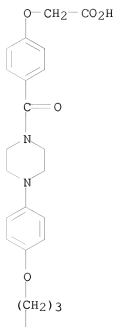
CN 2-Propenoic acid, 3-[4-[[4-[3-(5-ethyl-2-methyl-1-piperidinyloxy)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-78-0 CAPLUS

CN Acetic acid, [4-[[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)

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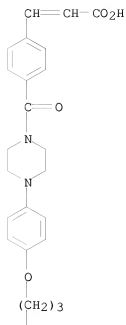
PAGE 2-A



RN 684248-79-1 CAPLUS

CN 2-Propenoic acid, 3-[[4-[[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

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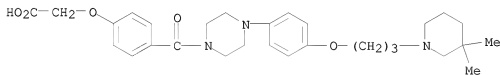


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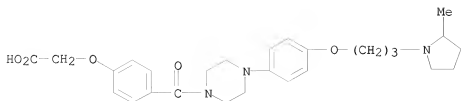
RN 684248-80-4 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



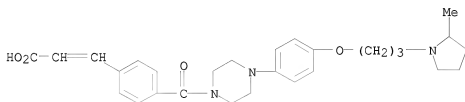
RN 684248-83-7 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



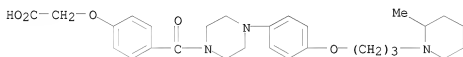
RN 684248-84-8 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



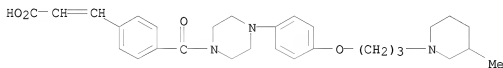
RN 684248-85-9 CAPLUS

CN Acetic acid, [4-[[4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



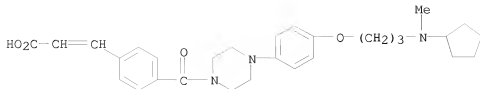
RN 684248-87-1 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



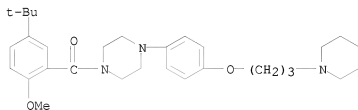
RN 684248-88-2 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



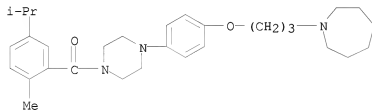
RN 684248-93-9 CAPLUS

CN Piperazine, 1-[5-(1,1-dimethylethyl)-2-methoxybenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



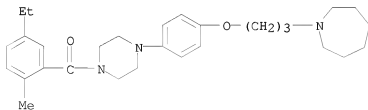
RN 684248-94-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684248-95-1 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

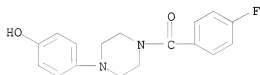


IT 684249-42-1P, 4-[4-[(4-Fluorophenyl)carbonyl]-1-piperazinyl]phenol

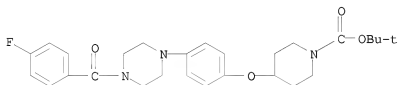
684249-43-2P 684249-44-3P 684249-53-4P,

4-[4-(Phenylcarbonyl)-1-piperazinyl]phenol 684249-54-5P

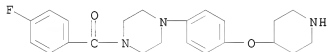
684249-55-6P 684249-56-7P 684249-57-8P
 684249-58-9P, 4-[[4-(4-Hydroxyphenyl)-1-piperazinyl]carbonyl]benzonitrile 684249-59-0P
 684249-60-3P 684249-61-4P, 1-[4-[(2-Bromoethyl)oxy]phenyl]-4-(phenylcarbonyl)piperazine 684249-79-4P
 684250-03-1P 684250-04-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists or histamine H3 reverse antagonists)
 RN 684249-42-1 CAPLUS
 CN Piperazine, 1-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



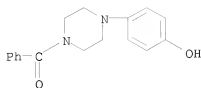
RN 684249-43-2 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[4-[4-(4-fluorobenzoyl)-1-piperazinyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-44-3 CAPLUS
 CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-(4-piperidinyloxy)phenyl]- (9CI) (CA INDEX NAME)



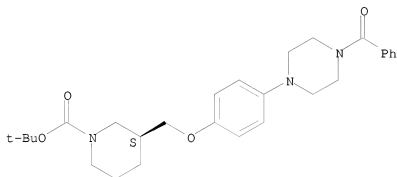
RN 684249-53-4 CAPLUS
 CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 684249-54-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

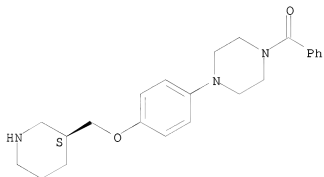
Absolute stereochemistry.



RN 684249-55-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

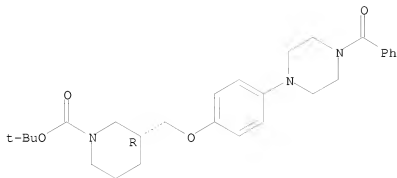


RN 684249-56-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

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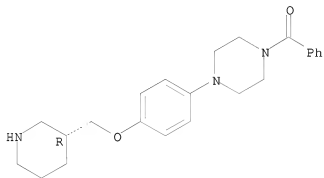
Absolute stereochemistry.



RN 684249-57-8 CAPLUS

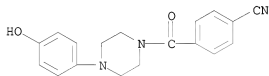
CN Piperazine, 1-benzoyl-4-[4-[(3R)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684249-58-9 CAPLUS

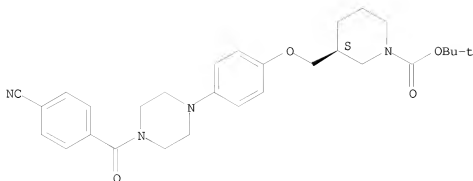
CN Piperazine, 1-(4-cyanobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 684249-59-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-[4-(4-cyanobenzoyl)-1-piperazinyl]phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

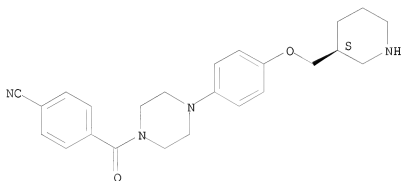
Absolute stereochemistry.



RN 684249-60-3 CAPLUS

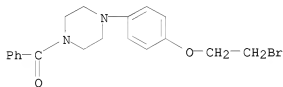
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684249-61-4 CAPLUS

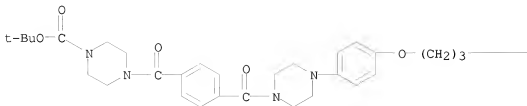
CN Piperazine, 1-benzoyl-4-[4-(2-bromoethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 684249-79-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

PAGE 1-A

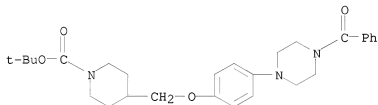


PAGE 1-B



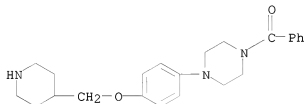
RN 684250-03-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684250-04-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-(4-piperidinylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/531,758

=> => d his

(FILE 'HOME' ENTERED AT 14:44:27 ON 18 MAR 2008)

FILE 'REGISTRY' ENTERED AT 14:44:40 ON 18 MAR 2008

L1 STRUCTURE UPLOADED
L2 50 S L1
L3 STRUCTURE UPLOADED
L4 50 S L3
L5 STRUCTURE UPLOADED
L6 4 S L5
L7 2411 S L3 SSS FUL
L8 83 S L5 FUL SUB=L7
L9 2328 S L7 NOT L8
L10 664 S L9 AND CAPLUS/LC
L11 80 S L8 AND CAPLUS/LC
L12 3 S L8 NOT L11

FILE 'CAPLUS' ENTERED AT 14:48:21 ON 18 MAR 2008

L13 5 S L8
L14 121 S L9
L15 3 S L13 AND L14

FILE 'REGISTRY' ENTERED AT 14:49:44 ON 18 MAR 2008

FILE 'CAPLUS' ENTERED AT 14:51:14 ON 18 MAR 2008

L16 5 S L13 OR L15
L17 1 S 140:375196/DN
SELECT RN L17 1-

FILE 'REGISTRY' ENTERED AT 14:54:25 ON 18 MAR 2008

L18 200 S E1-200
L19 200 S E201-400
L20 200 S E401-600
L21 232 S E601-832
L22 832 S L18 OR L19 OR L20 OR L21
L23 246 S L22 AND L7
L24 586 S L22 NOT L23
L25 383 S L24 AND NRS>=2
L26 1091157 S 46.383/RID
L27 577 S L22 AND L26
L28 255 S L22 NOT L27
L29 58 S L28 AND NRS>1
L30 29 S L29 AND DIAZEPINE
L31 29 S L29 NOT L30
L32 3 S L31 AND DIAZABIC?
L33 26 S L31 NOT L32
L34 32 S L30 OR L32

FILE 'CAPLUS' ENTERED AT 15:01:56 ON 18 MAR 2008

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L36 2 S L34
L37 ANALYZE L35 1- RN HIT : 577 TERMS

FILE 'REGISTRY' ENTERED AT 15:11:22 ON 18 MAR 2008

L38 5 S 110-85-0/RN OR 57260-71-6/RN OR 31166-44-6/RN OR 21655-48-1/R
L39 5 S 2815-34-1/RN OR 56621-48-8/RN OR 67914-60-7/RN OR 59817-32-2/

10/531,758

L40 1 S L39 AND ETHANONE
L41 4 S L39 NOT L40
L42 568 S L27 NOT (L38 OR L41)

FILE 'CAPLUS' ENTERED AT 15:13:16 ON 18 MAR 2008
L43 186 S L42
L44 ANALYZE L43 1- RN HIT : 568 TERMS

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L45 5 S 57536-91-1/RN OR 98223-97-3/RN OR 118306-89-1/RN OR 158985-25
L46 2 S L45 AND QUINOLINE
L47 1 S L45 AND NAPHTHAL?
L48 565 S L42 NOT (L46 OR L47)

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L50 78 S L49 AND PATENT/DT
L51 27 S L49 NOT L50
L52 16 S L51 NOT (2008/SO OR 2007/SO OR 2006/SO OR 2005/SO OR 2004/SO)

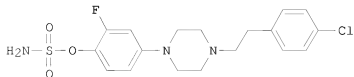
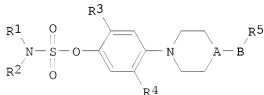
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FILE 'CAPLUS' ENTERED AT 15:21:23 ON 18 MAR 2008
L54 6 S L53

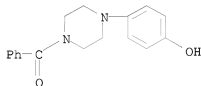
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L54 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:1037074 CAPLUS
 DOCUMENT NUMBER: 142:23310
 TITLE: Preparation of piperazinylphenyl sulfamate derivatives
 as steroid sulfatase inhibitors
 INVENTOR(S): Takegawa, Shigehiro; Iwashita, Shigeki; Okada, Makoto;
 Nakagawa, Takayoshi; Koizumi, Naoyuki; Fujii, Tomohito
 PATENT ASSIGNEE(S): Teikoku Hormone Mfg. Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 112 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|------------------|------------------|------------|
| WO 2004103971 | A1 | 20041202 | WO 2004-JP6490 | 20040507 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2004240842 | A1 | 20041202 | AU 2004-240842 | 20040507 |
| CA 2526540 | A1 | 20041202 | CA 2004-2526540 | 20040507 |
| EP 1627871 | A1 | 20060222 | EP 2004-731745 | 20040507 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK | | | | |
| CN 1823039 | A | 20060823 | CN 2004-80020584 | 20040507 |
| US 2006189625 | A1 | 20060824 | US 2005-558253 | 20051121 |
| PRIORITY APPLN. INFO.: | | | JP 2003-143503 | A 20030521 |
| | | | WO 2004-JP6490 | W 20040507 |
| OTHER SOURCE(S): | | MARPAT 142:23310 | | |
| GI | | | | |



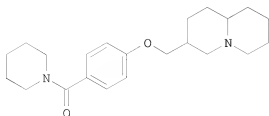
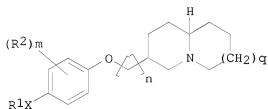
- AB The title compds. with general formula I [wherein R1 and R2 = independently H or alkyl; R3 and R4 = independently H, halo, CN, or alkyl; A = N or CH; B = CH₂, SO₂, CO, CH=CH, or (un)substituted phenylene; R5 = H, alkyl, (un)substituted phenylalkyl, benzoylalkyl, cycloalkylalkyl, or piperidinylalkyl], or salts thereof are prepared as steroid sulfatase inhibitors. For example, the compound II was prepared in a multi-step synthesis. Some of compds. I showed strong steroid sulfatase inhibitory activity. I are useful for the treatment for diseases in which steroids such as estrogen and androgen participate (no data). Formulations containing I as an active ingredient were also described.
- IT 684249-53-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of piperazinyphenyl sulfamate derivs. as steroid sulfatase inhibitors)
- RN 684249-53-4 CAPLUS
- CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



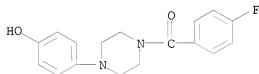
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L54 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:550956 CAPLUS
 DOCUMENT NUMBER: 141:89276
 TITLE: Preparation of quinolizidine derivatives as histamine
 H3 receptor ligands
 INVENTOR(S): Best, Desmond John; Orlek, Barry Sidney
 PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 2004056821 | A2 | 20040708 | WO 2003-EP14561 | 20031218 |
| WO 2004056821 | A3 | 20040812 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| AU 2003290095 | A1 | 20040714 | AU 2003-290095 | 20031218 |
| PRIORITY APPLN. INFO.: | | | GB 2002-29822 | A 20021220 |
| | | | WO 2003-EP14561 | W 20031218 |
| OTHER SOURCE(S): | MARPAT 141:89276 | | | |
| GI | | | | |



- AB The present invention relates to novel quinolizidine derivs., such as I
 [R1 = cycloalkyl, heteroaryl, heterocyclyl, heteroaryl-Y-(hetero)aryl,
 heteroaryl-Y-cycloalkyl, heterocyclyl-Y-heterocyclyl, cycloalkyl-Y-
 cycloalkyl, cycloalkyl-Y-aryl, CONR3R4; R2 = halo, alkyl, alkoxy, cyano,
 amino, trifluoromethyl; R3, R4 = H, alkyl, cycloalkyl, aryl, heteroaryl,
 heterocyclyl; m = 0-2, n = 0-2; Q = 0-1; X = bond, CO, CH2, O, CH2CO, SO2,
 CH2O, OCH2, Y = CH2, CO, SO2, CONR5; R5 = H, alkyl, cycloalkyl, aryl,
 heteroaryl, heterocyclyl], having pharmacol. activity, processes for their
 preparation, to compns. containing them and to their use in the treatment of
 neurol. and psychiatric disorders. Thus, 3-(4-cyanophenoxymethyl)-
 quinolizidine, obtained by the reaction of 3-hydroxyquinolizidine and
 4-fluorobenzonitrile, was hydrolyzed with concentrated HCl to provide
 3-(4-carboxyphenoxymethyl)-quinolizidine hydrochloride (II). II was
 reacted with piperidine to afford quinolizidine derivative III.HCl which
 exhibit pKb of ≥ 8.5 in the histamine H3 functional antagonist
 assay.
- IT 684249-42-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of quinolizidine derivs. as histamine H3 receptor ligands)
- RN 684249-42-1 CAPLUS
- CN Piperazine, 1-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX
 NAME)



L54 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:354923 CAPLUS

DOCUMENT NUMBER: 140:375196

TITLE: Preparation of substituted piperazines,
[1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes
as histamine H1 and/or H3 antagonists or histamine H3
reverse antagonists

INVENTOR(S): Ancliff, Rachael; Eldred, Colin David; Fogden, Yvonne
C.; Hancock, Ashley Paul; Heightman, Thomas Daniel;
Hobbs, Heather; Hodgson, Simon Teanby; Lindon, Matthew
J.; Wilson, David Matthew

PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 140 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

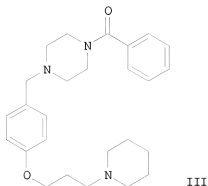
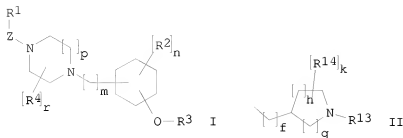
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|-------------|
| WO 2004035556 | A1 | 20040429 | WO 2003-EP11423 | 20031014 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2502249 | A1 | 20040429 | CA 2003-2502249 | 20031014 |
| AU 2003280380 | A1 | 20040504 | AU 2003-280380 | 20031014 |
| BR 2003015283 | A | 20050830 | BR 2003-15283 | 20031014 |
| EP 1567511 | A1 | 20050831 | EP 2003-772221 | 20031014 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| CN 1726201 | A | 20060125 | CN 2003-80106014 | 20031014 |
| JP 2006508935 | T | 20060316 | JP 2004-544241 | 20031014 |
| NZ 539446 | A | 20061130 | NZ 2003-539446 | 20031014 |
| CN 101070309 | A | 20071114 | CN 2006-10108610 | 20031014 |
| IN 2005KN00566 | A | 20060224 | IN 2005-KN566 | 20050404 |
| NO 2005001689 | A | 20050707 | NO 2005-1689 | 20050405 |
| ZA 2005002873 | A | 20060726 | ZA 2005-2873 | 20050408 |
| US 2006025404 | A1 | 20060202 | US 2005-531758 | 20050414 |
| MX 2005PA04078 | A | 20050608 | MX 2005-PA04078 | 20050415 |
| IN 2006KN02281 | A | 20070525 | IN 2006-KN2281 | 20060810 |
| JP 2007016041 | A | 20070125 | JP 2006-231163 | 20060828 |
| PRIORITY APPLN. INFO.: | | | GB 2002-24084 | A 20021016 |
| | | | CN 2003-80106014 | A3 20031014 |
| | | | JP 2004-544241 | A3 20031014 |
| | | | WO 2003-EP11423 | W 20031014 |
| | | | IN 2005-KN566 | A3 20050404 |

OTHER SOURCE(S): MARPAT 140:375196

GI



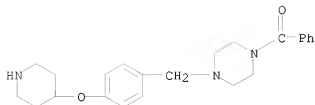
AB The title compds. I; R¹ = H, alkyl, alkoxy, etc.; Z = a bond, CO, (un)substituted CONH, SO₂; p = 1-2; m, n, r = 0-2; R² = halo, alkyl, alkoxy, etc.; R³ = (CH₂)_qNR¹¹R¹², II (wherein q = 2-4; R¹¹, R¹² = alkyl, cycloalkyl; NR¹¹R¹² = heterocyclyl; R¹³ = H, alkyl, cycloalkyl, etc.; R¹⁴ = halo, alkyl, haloalkyl, etc.; f, k = 0-2; g = 0-2; h = 0-3, such that g and h cannot both be 0); R⁴ = H, alkyl such that when r = 2, two R⁴ groups may instead be linked to form CH₂, (CH₂)₂, (CH₂)₃; with the provisos], useful in the treatment of neurodegenerative disorders including Alzheimer's disease, and inflammatory diseases of the upper respiratory tract, were prepared. Thus, reacting 1-[4-(3-piperidin-1-ylpropoxy)benzyl]piperazine.3HCl (preparation given) with benzoic acid afforded 77% III which was tested in the histamine H₃ functional antagonist assay and showed pK_B of > 6.5. The pharmaceutical composition comprising the compound I is claimed.

IT 684243-56-9P 684243-90-1P 684245-96-3P
684246-35-3P 684246-63-7P 684246-64-8P
684247-33-4P 684248-09-7P 684248-23-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of substituted piperazines, [1,4]diazepines, and 2,5-diazabicyclo[2.2.1]heptanes as histamine H₁ and/or H₃ antagonists or histamine H₃ reverse antagonists)

RN 684243-56-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-(4-piperidinylloxy)phenyl]methyl]- (9CI) (CA INDEX NAME)



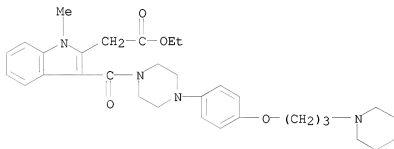
RN 684243-90-1 CAPLUS

CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, ethyl ester, monoformate (9CI) (CA INDEX NAME)

CM 1

CRN 684243-89-8

CMF C32 H42 N4 O4



CM 2

CRN 64-18-6

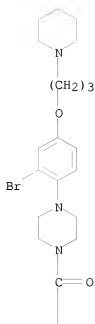
CMF C H2 O2



RN 684245-96-3 CAPLUS

CN Piperazine, 1-[2-bromo-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

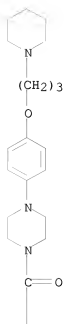


PAGE 2-A

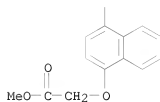


RN 684246-35-3 CAPLUS
 CN Acetic acid, [[4-[[4-[4-(3-(1-piperidinyl)propoxy)phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A

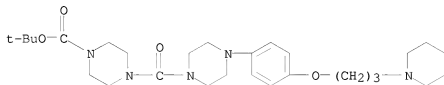


PAGE 2-A



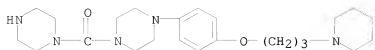
RN 684246-63-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



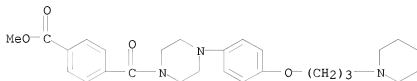
RN 684246-64-8 CAPLUS

CN Piperazine, 1-(1-piperazinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



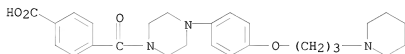
RN 684247-33-4 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



RN 684248-09-7 CAPLUS

CN Benzoic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-23-5 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]-1-naphthalenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

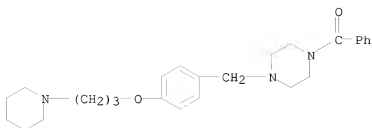
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of substituted piperazines, [1,4]diazepines, and
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists
 or histamine H3 reverse antagonists)

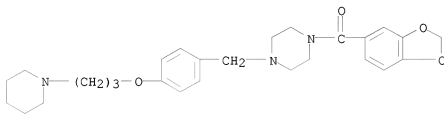
RN 684243-25-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]-
 (9CI) (CA INDEX NAME)



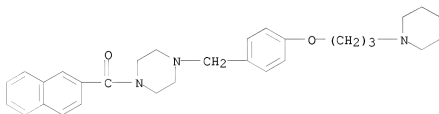
RN 684243-26-3 CAPLUS

CN Piperazine, 1-(1,3-benzodioxol-5-ylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



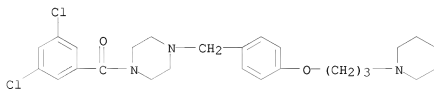
RN 684243-27-4 CAPLUS

CN Piperazine, 1-(2-naphthalenylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



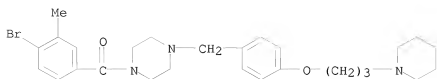
RN 684243-28-5 CAPLUS

CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



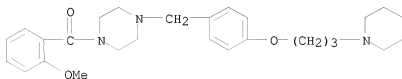
RN 684243-29-6 CAPLUS

CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



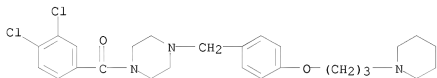
RN 684243-30-9 CAPLUS

CN Piperazine, 1-(2-methoxybenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



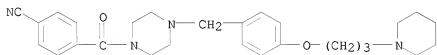
RN 684243-31-0 CAPLUS

CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



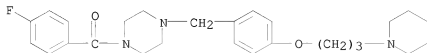
RN 684243-32-1 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-33-2 CAPLUS

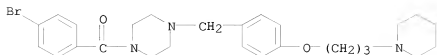
CN Piperazine, 1-(4-fluorobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 684243-34-3 CAPLUS

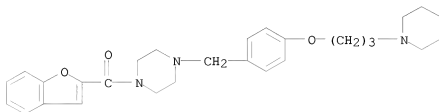
CN Piperazine, 1-(4-bromobenzoyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

y1]- (9CI) (CA INDEX NAME)



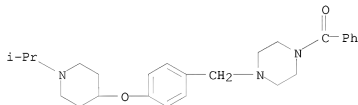
RN 684243-35-4 CAPLUS

CN Piperazine, 1-(2-benzofuranylcarbonyl)-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



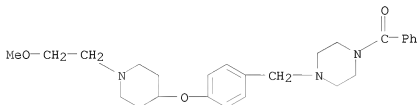
RN 684243-57-0 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]methyl]- (9CI) (CA INDEX NAME)



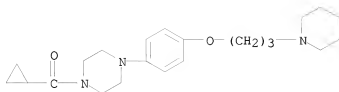
RN 684243-58-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[[4-[[1-(2-methoxyethyl)-4-piperidinyl]oxy]phenyl]methyl]- (9CI) (CA INDEX NAME)

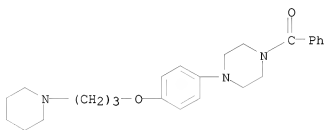


RN 684243-59-2 CAPLUS

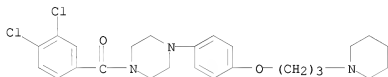
CN Piperazine, 1-(cyclopropylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



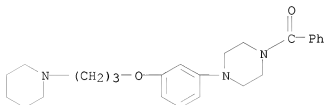
RN 684243-60-5 CAPLUS
 CN Piperazine, 1-benzoyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



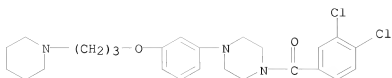
RN 684243-61-6 CAPLUS
 CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



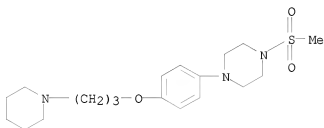
RN 684243-62-7 CAPLUS
 CN Piperazine, 1-benzoyl-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



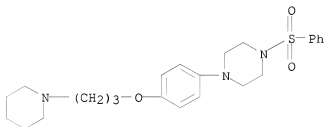
RN 684243-63-8 CAPLUS
 CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684243-64-9 CAPLUS

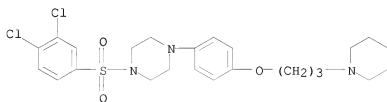
CN Piperazine, 1-(methylsulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

RN 684243-65-0 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

RN 684243-66-1 CAPLUS

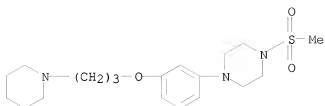
CN Piperazine, 1-[(3,4-dichlorophenyl)sulfonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



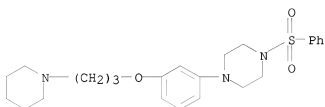
RN 684243-67-2 CAPLUS

CN Piperazine, 1-(methylsulfonyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-

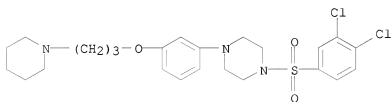
(CA INDEX NAME)



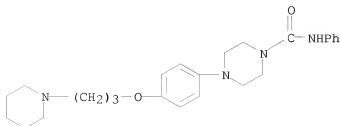
RN 684243-68-3 CAPLUS

CN Piperazine, 1-(phenylsulfonyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

RN 684243-69-4 CAPLUS

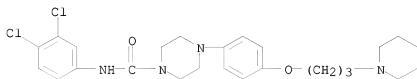
CN Piperazine, 1-[(3,4-dichlorophenyl)sulfonyl]-4-[3-[3-(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

RN 684243-70-7 CAPLUS

CN 1-Piperazinecarboxamide, N-phenyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

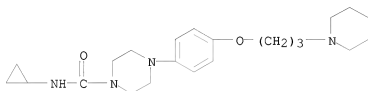
RN 684243-71-8 CAPLUS

CN 1-Piperazinecarboxamide, N-(3,4-dichlorophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



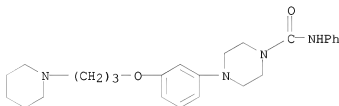
RN 684243-72-9 CAPLUS

CN 1-Piperazinecarboxamide, N-cyclopropyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



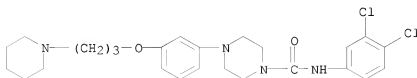
RN 684243-73-0 CAPLUS

CN 1-Piperazinecarboxamide, N-phenyl-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



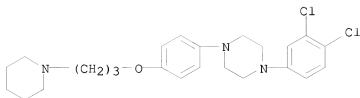
RN 684243-74-1 CAPLUS

CN 1-Piperazinecarboxamide, N-(3,4-dichlorophenyl)-4-[3-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

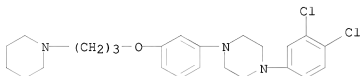


RN 684243-75-2 CAPLUS

CN Piperazine, 1-(3,4-dichlorophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

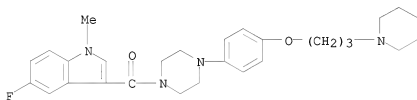


RN 684243-76-3 CAPLUS

CN Piperazine, 1-[(3,4-dichlorophenyl)-4-[3-[(1-piperidinyl)propoxy]phenyl]-
(CA INDEX NAME)

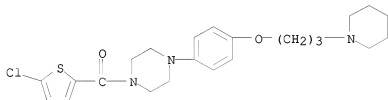
RN 684243-77-4 CAPLUS

CN Piperazine, 1-[(5-fluoro-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684243-78-5 CAPLUS

CN Piperazine, 1-[(5-chloro-2-thienyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



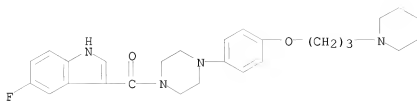
RN 684243-80-9 CAPLUS

CN Formic acid, compd. with 1-[(5-fluoro-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

10/531,758

CRN 684243-79-6
CMF C27 H33 F N4 O2



CM 2

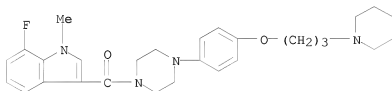
CRN 64-18-6
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

RN 684243-82-1 CAPLUS
CN Formic acid, compd. with 1-[(7-fluoro-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-81-0
CMF C28 H35 F N4 O2



CM 2

CRN 64-18-6
CMF C H2 O2

$\text{O}=\text{CH}-\text{OH}$

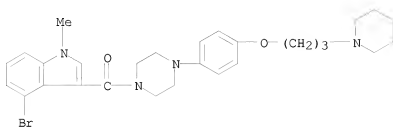
RN 684243-84-3 CAPLUS
CN Formic acid, compd. with 1-[(4-bromo-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

10/531,758

CM 1

CRN 684243-83-2

CMF C28 H35 Br N4 O2



CM 2

CRN 64-18-6

CMF C H2 O2



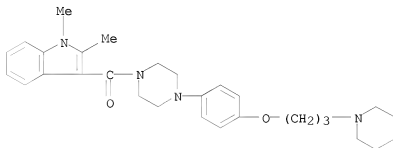
RN 684243-86-5 CAPLUS

CN Formic acid, compd. with 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-85-4

CMF C29 H38 N4 O2



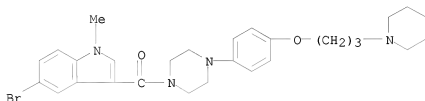
CM 2

CRN 64-18-6

CMF C H2 O2



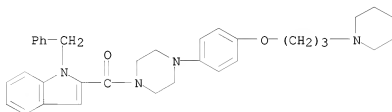
RN 684243-88-7 CAPLUS
 CN Formic acid, compd. with 1-[(5-bromo-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)
 CM 1
 CRN 684243-87-6
 CMF C28 H35 Br N4 O2



CM 2
 CRN 64-18-6
 CMF C H2 O2



RN 684243-92-3 CAPLUS
 CN Formic acid, compd. with 1-[[1-(phenylmethyl)-1H-indol-2-yl]carbonyl]-4-[4-(1-piperidinyl)propoxy]phenyl]piperazine (1:1) (9CI) (CA INDEX NAME)
 CM 1
 CRN 684243-91-2
 CMF C34 H40 N4 O2



CM 2
 CRN 64-18-6

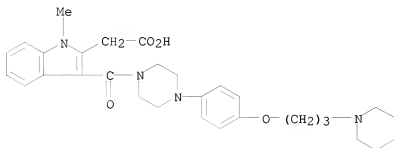
10/531,758

CMF C H2 O2

O=CH-OH

RN 684243-93-4 CAPLUS

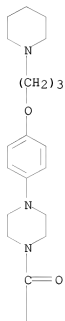
CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684243-94-5 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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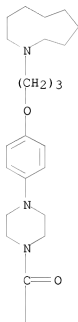


RN 684243-96-7 CAPLUS
 CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(octahydro-1H-azonin-1-yl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-95-6
 CMF C32 H41 N3 O2

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CM 2

10/531,758

CRN 76-05-1
CMF C2 H F3 O2

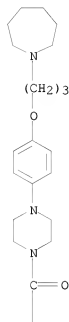


RN 684243-98-9 CAPLUS
CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-97-8
CMF C30 H37 N3 O2

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CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684244-00-6 CAPLUS

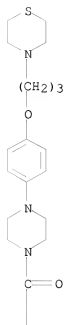
CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(4-thiomorpholinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684243-99-0

CMF C28 H33 N3 O2 S

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CM 2

CRN 76-05-1
CMF C2 H F3 O2



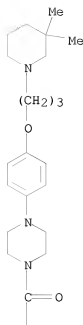
RN 684244-02-8 CAPLUS
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

10/531,758

CRN 684244-01-7
CMF C31 H39 N3 O2

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CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 684244-04-0 CAPLUS

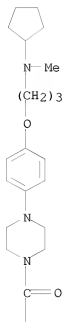
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-03-9

CMF C30 H37 N3 O2

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CM 2

CRN 76-05-1

CMF C2 H F3 O2

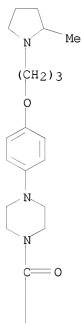


RN 684244-06-2 CAPLUS
 CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidiny)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-05-1
 CMF C29 H35 N3 O2

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CM 2

10/531,758

CRN 76-05-1
CMF C2 H F3 O2

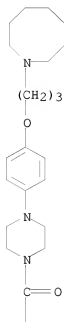


RN 684244-08-4 CAPLUS
CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-07-3
CMF C31 H39 N3 O2

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CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684244-10-8 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

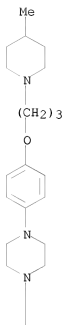
CRN 684244-09-5

CMF C30 H37 N3 O2

10/531,758

CRN 684244-11-9
CMF C30 H37 N3 O2

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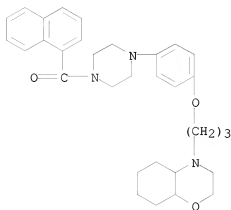
CM 2
CRN 76-05-1
CMF C2 H F3 O2



RN 684244-14-2 CAPLUS
 CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-13-1
 CMF C32 H39 N3 O3



CM 2

CRN 76-05-1
 CMF C2 H F3 O2

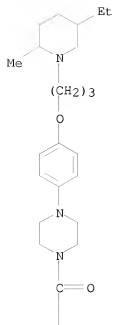


RN 684244-16-4 CAPLUS
 CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-15-3
 CMF C32 H41 N3 O2

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CM 2

CRN 76-05-1
 CMF C2 H F3 O2



RN 684244-18-6 CAPLUS
 CN Piperazine, 1-[4-[3-[(2R,6S)-2,6-dimethyl-1-piperidinyl]propoxy]phenyl]-4-(1-naphthalenylcarbonyl)-, rel-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

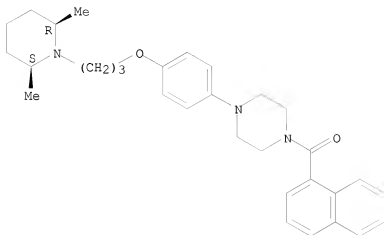
10/531,758

CM 1

CRN 684244-17-5

CMF C31 H39 N3 O2

Relative stereochemistry.



CM 2

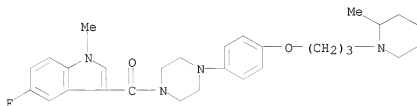
CRN 76-05-1

CMF C2 H F3 O2



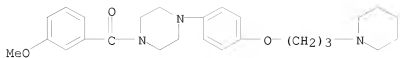
RN 684244-19-7 CAPLUS

CN Piperazine, 1-[(5-fluoro-1-methyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(2-methyl-1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)



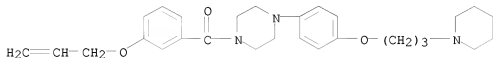
RN 684244-20-0 CAPLUS

CN Piperazine, 1-(3-methoxybenzoyl)-4-[4-[3-(1-piperidinyloxy)propoxy]phenyl]- (9CI) (CA INDEX NAME)



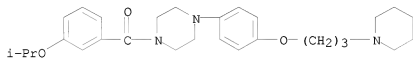
RN 684244-21-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(2-propenyloxy)benzoyl]- (9CI) (CA INDEX NAME)



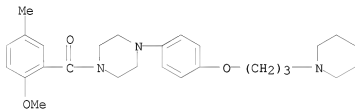
RN 684244-22-2 CAPLUS

CN Piperazine, 1-[3-(1-methylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



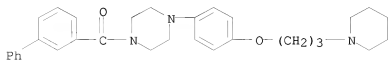
RN 684244-23-3 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



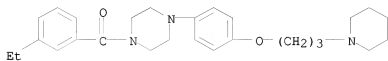
RN 684244-24-4 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-3-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



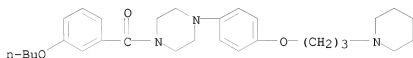
RN 684244-25-5 CAPLUS

CN Piperazine, 1-(3-ethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



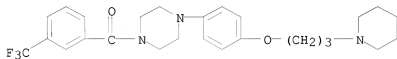
RN 684244-26-6 CAPLUS

CN Piperazine, 1-(3-butoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



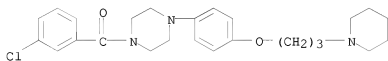
RN 684244-27-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-
(9CI) (CA INDEX NAME)



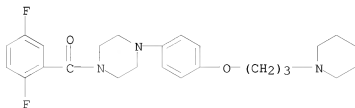
RN 684244-28-8 CAPLUS

CN Piperazine, 1-(3-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

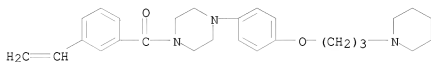


RN 684244-29-9 CAPLUS

CN Piperazine, 1-(2,5-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

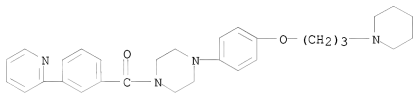


RN 684244-30-2 CAPLUS

CN Piperazine, 1-[3-ethenylbenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

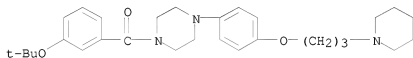
RN 684244-31-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(2-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)



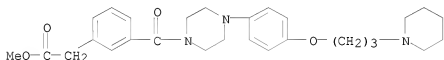
RN 684244-32-4 CAPLUS

CN Piperazine, 1-[3-(1,1-dimethylethoxy)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



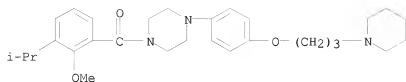
RN 684244-33-5 CAPLUS

CN Benzeneacetic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



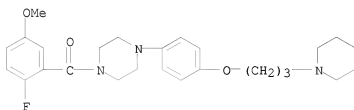
RN 684244-34-6 CAPLUS

CN Piperazine, 1-[2-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



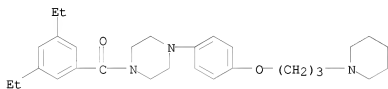
RN 684244-35-7 CAPLUS

CN Piperazine, 1-(2-fluoro-5-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



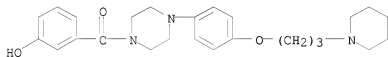
RN 684244-36-8 CAPLUS

CN Piperazine, 1-(3,5-diethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



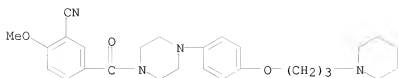
RN 684244-37-9 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



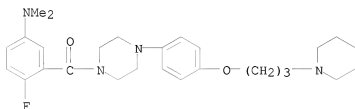
RN 684244-38-0 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



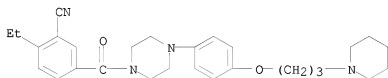
RN 684244-41-5 CAPLUS

CN Piperazine, 1-[5-(dimethylamino)-2-fluorobenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



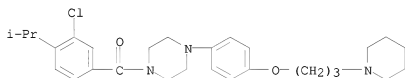
RN 684244-42-6 CAPLUS

CN Piperazine, 1-[3-cyano-4-ethylbenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



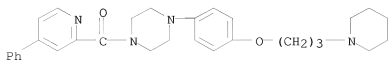
RN 684244-43-7 CAPLUS

CN Piperazine, 1-[3-chloro-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



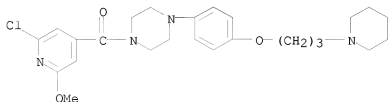
RN 684244-44-8 CAPLUS

CN Piperazine, 1-[(4-phenyl-2-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



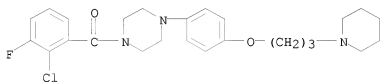
RN 684244-45-9 CAPLUS

CN Piperazine, 1-[(2-chloro-6-methoxy-4-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-46-0 CAPLUS

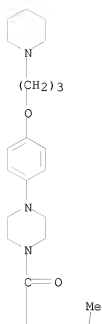
CN Piperazine, 1-(2-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



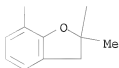
RN 684244-47-1 CAPLUS

CN Piperazine, 1-[(2,3-dihydro-2,2-dimethyl-7-benzofuranyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

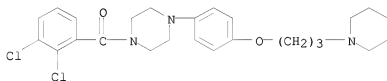
PAGE 1-A



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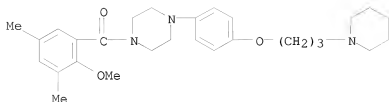


RN 684244-48-2 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

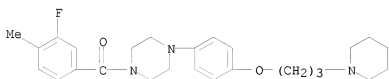
RN 684244-49-3 CAPLUS

CN Piperazine, 1-(2-methoxy-3,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



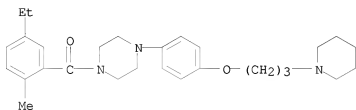
RN 684244-50-6 CAPLUS

CN Piperazine, 1-(3-fluoro-4-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



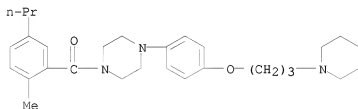
RN 684244-51-7 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



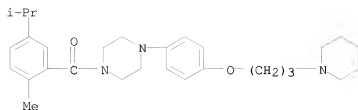
RN 684244-52-8 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



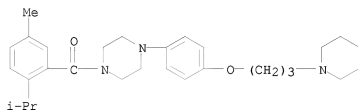
RN 684244-53-9 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



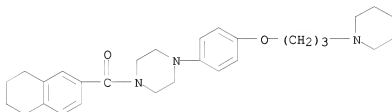
RN 684244-54-0 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



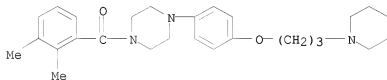
RN 684244-55-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



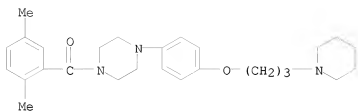
RN 684244-56-2 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

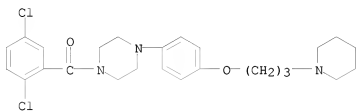


RN 684244-57-3 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



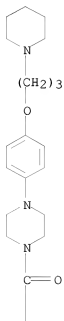
RN 684244-58-4 CAPLUS

CN Piperazine, 1-(2,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

RN 684244-59-5 CAPLUS

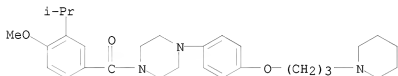
CN Piperazine, 1-[(2,3-dihydro-1H-inden-4-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

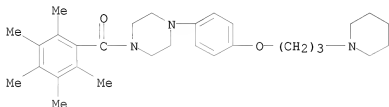




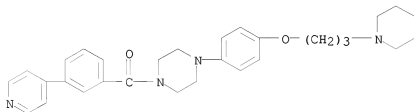
RN 684244-60-8 CAPLUS
 CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



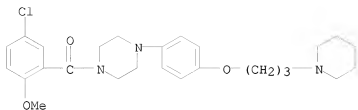
RN 684244-61-9 CAPLUS
 CN Piperazine, 1-(pentamethylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-62-0 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(4-pyridinyl)benzoyl]- (9CI) (CA INDEX NAME)

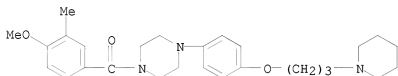


RN 684244-63-1 CAPLUS
 CN Piperazine, 1-(5-chloro-2-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



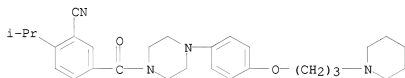
RN 684244-64-2 CAPLUS

CN Piperazine, 1-(4-methoxy-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



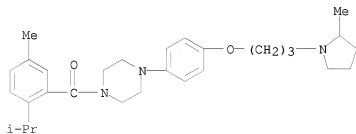
RN 684244-65-3 CAPLUS

CN Piperazine, 1-[3-cyano-4-(1-methylethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



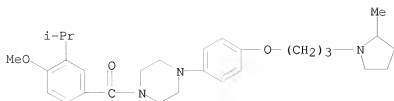
RN 684244-66-4 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



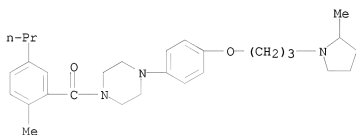
RN 684244-67-5 CAPLUS

CN Piperazine, 1-(4-methoxy-3-(1-methylethyl)benzoyl)-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



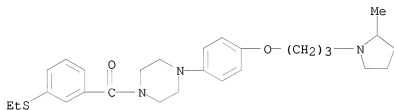
RN 684244-68-6 CAPLUS

CN Piperazine, 1-(2-methyl-5-propylbenzoyl)-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



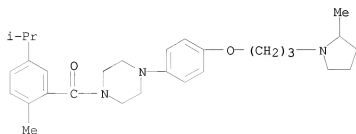
RN 684244-69-7 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



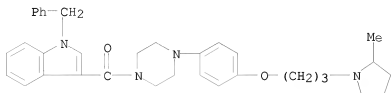
RN 684244-70-0 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



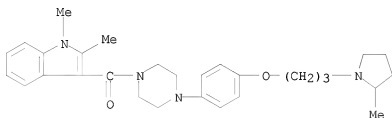
RN 684244-71-1 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



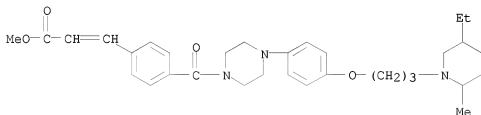
RN 684244-72-2 CAPLUS

CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



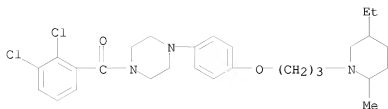
RN 684244-73-3 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]-, methyl ester (CA INDEX NAME)



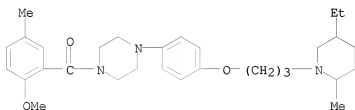
RN 684244-74-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



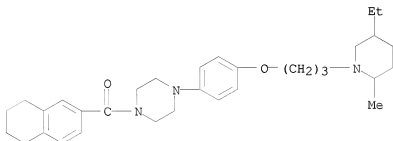
RN 684244-75-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



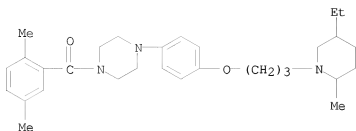
RN 684244-76-6 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



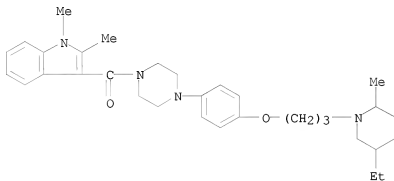
RN 684244-77-7 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-78-8 CAPLUS

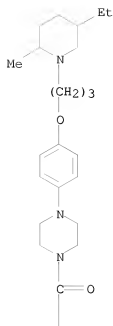
CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(5-ethyl-2-methyl-1-piperidyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



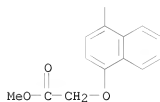
RN 684244-79-9 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

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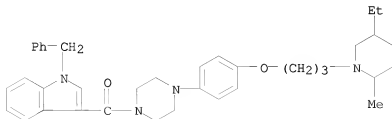


PAGE 2-A



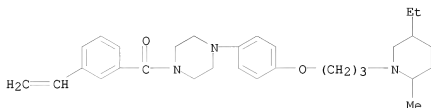
RN 684244-80-2 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



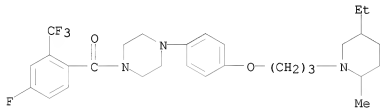
RN 684244-81-3 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



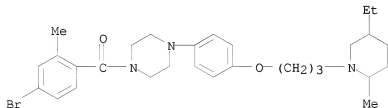
RN 684244-82-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



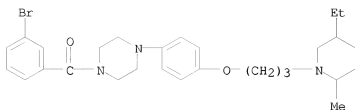
RN 684244-83-5 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



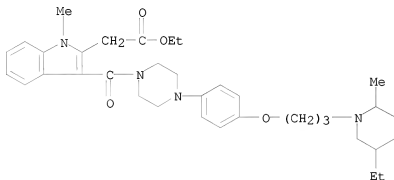
RN 684244-84-6 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



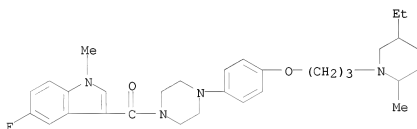
RN 684244-85-7 CAPLUS

CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl-, ethyl ester (CA INDEX NAME)



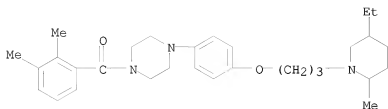
RN 684244-86-8 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5-fluoro-1-methyl-1H-indol-3-yl)carbonyl]- (9CI) (CA INDEX NAME)



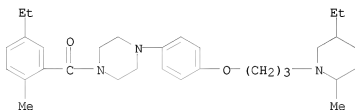
RN 684244-87-9 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



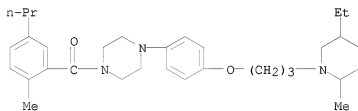
RN 684244-88-0 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



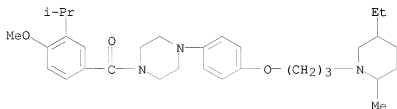
RN 684244-89-1 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



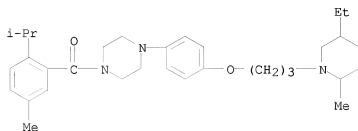
RN 684244-90-4 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



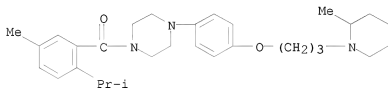
RN 684244-91-5 CAPLUS

CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



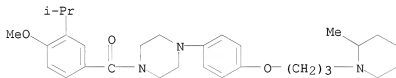
RN 684244-92-6 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684244-93-7 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



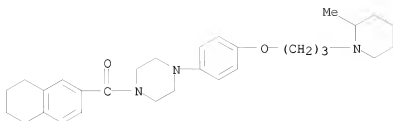
RN 684244-95-9 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684244-94-8

CMF C30 H41 N3 O2



CM 2

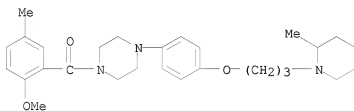
CRN 76-05-1

CMF C2 H F3 O2



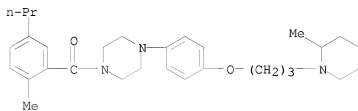
RN 684244-96-0 CAPLUS

CN Piperazine, 1-[4-[3-(2-methoxy-5-methylbenzoyl)-4-[[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



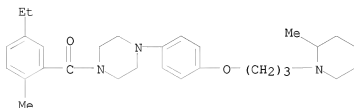
RN 684244-97-1 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



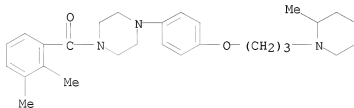
RN 684244-98-2 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



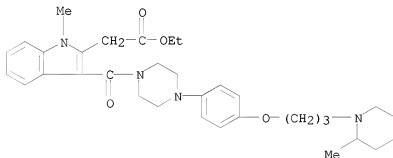
RN 684244-99-3 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



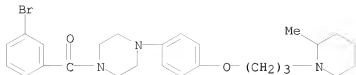
RN 684245-00-9 CAPLUS

CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, ethyl ester (CA INDEX NAME)



RN 684245-01-0 CAPLUS

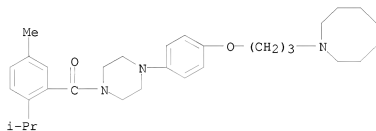
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-03-2 CAPLUS
 CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-02-1
 CMF C31 H45 N3 O2



CM 2

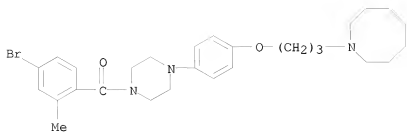
CRN 76-05-1
 CMF C2 H F3 O2



RN 684245-05-4 CAPLUS
 CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-04-3
 CMF C28 H38 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



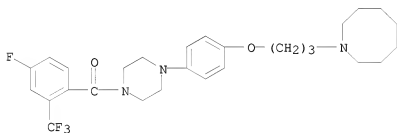
RN 684245-07-6 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-06-5

CMF C28 H35 F4 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



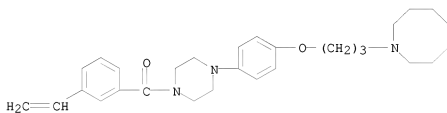
RN 684245-09-8 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-08-7

CMF C29 H39 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



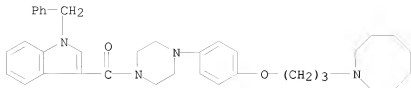
RN 684245-11-2 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-10-1

CMF C36 H44 N4 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



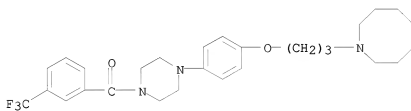
RN 684245-13-4 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-12-3

CMF C28 H36 F3 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



10/531,758

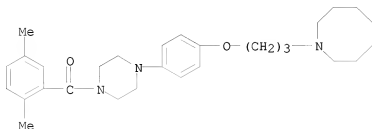
RN 684245-15-6 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-14-5

CMF C29 H41 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



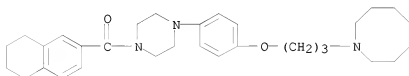
RN 684245-17-8 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-16-7

CMF C31 H43 N3 O2



CM 2

CRN 76-05-1

10/531,758

CMF C2 H F3 O2



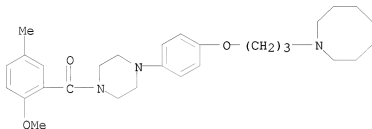
RN 684245-19-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-18-9

CMF C29 H41 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



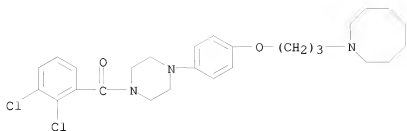
RN 684245-21-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-20-3

CMF C27 H35 Cl2 N3 O2



CM 2

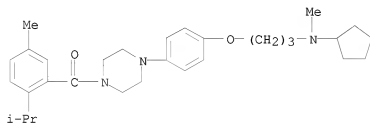
CRN 76-05-1

CMF C2 H F3 O2



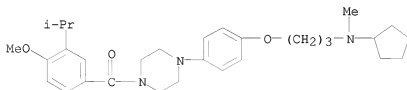
RN 684245-22-5 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[5-methyl-2-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-23-6 CAPLUS

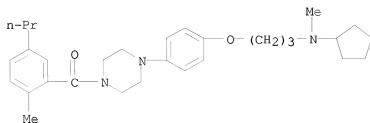
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-24-7 CAPLUS

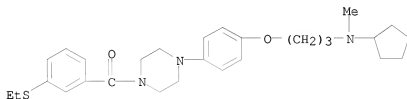
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methyl-5-

propylbenzoyl)- (9CI) (CA INDEX NAME)



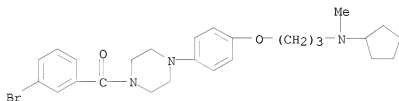
RN 684245-25-8 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]- (9CI) (CA INDEX NAME)



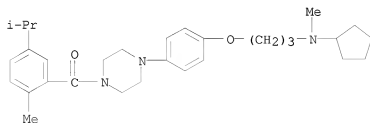
RN 684245-26-9 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



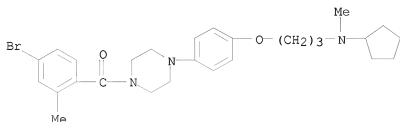
RN 684245-27-0 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



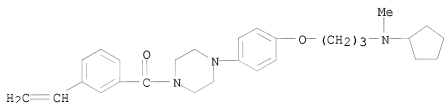
RN 684245-28-1 CAPLUS

CN Piperazine, 1-[4-(4-bromo-2-methylbenzoyl)-4-[3-(cyclopentylmethylamino)propoxy]phenyl]- (9CI) (CA INDEX NAME)



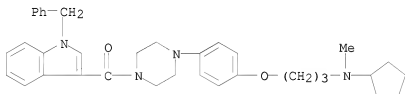
RN 684245-29-2 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(3-ethenylbenzoyl)- (9CI) (CA INDEX NAME)



RN 684245-30-5 CAPLUS

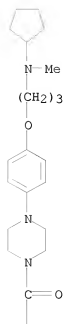
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



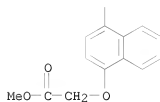
RN 684245-31-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

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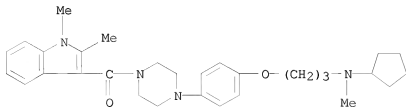


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RN 684245-32-7 CAPLUS

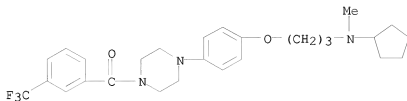
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684245-33-8 CAPLUS

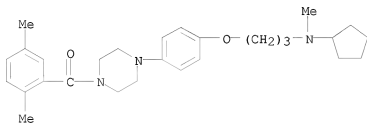
CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[3-

(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



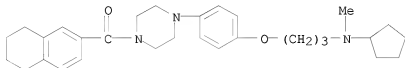
RN 684245-34-9 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,5-dimethylbenzoyl)- (9CI) (CA INDEX NAME)



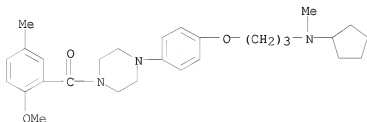
RN 684245-35-0 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



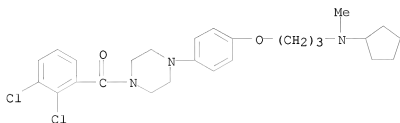
RN 684245-36-1 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2-methoxy-5-methylbenzoyl)- (9CI) (CA INDEX NAME)



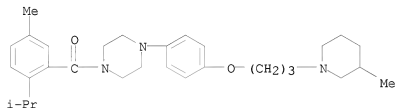
RN 684245-37-2 CAPLUS

CN Piperazine, 1-[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-4-(2,3-dichlorobenzoyl)- (9CI) (CA INDEX NAME)



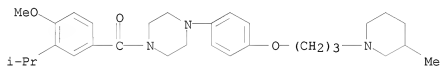
RN 684245-38-3 CAPLUS

CN Piperazine, 1-[5-methyl-2-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



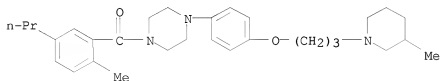
RN 684245-39-4 CAPLUS

CN Piperazine, 1-[4-methoxy-3-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



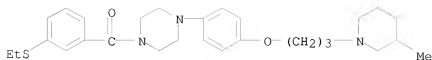
RN 684245-40-7 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)- (9CI) (CA INDEX NAME)



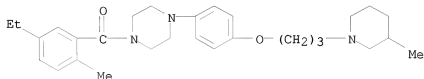
RN 684245-41-8 CAPLUS

CN Piperazine, 1-[3-(ethylthio)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



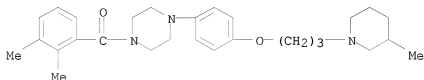
RN 684245-42-9 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



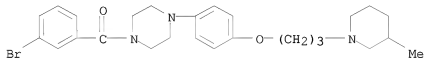
RN 684245-43-0 CAPLUS

CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



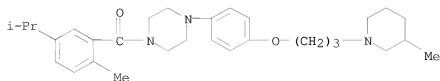
RN 684245-44-1 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



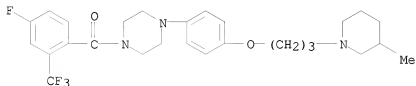
RN 684245-45-2 CAPLUS

CN Piperazine, 1-[2-methyl-5-(1-methylethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



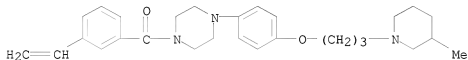
RN 684245-46-3 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



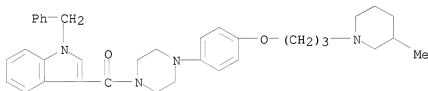
RN 684245-47-4 CAPLUS

CN Piperazine, 1-(3-ethenylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-48-5 CAPLUS

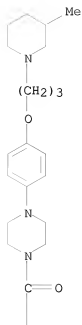
CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[[1-(phenylmethyl)-1H-indol-3-yl]carbonyl]- (9CI) (CA INDEX NAME)



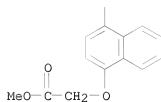
RN 684245-49-6 CAPLUS

CN Acetic acid, [[4-[[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

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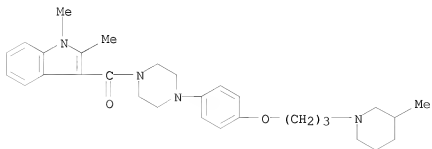


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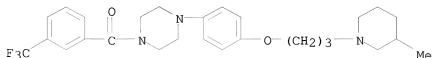
RN 684245-50-9 CAPLUS

CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



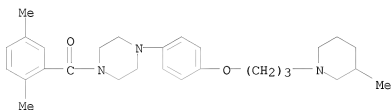
RN 684245-51-0 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



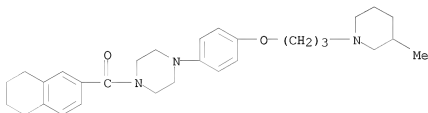
RN 684245-52-1 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



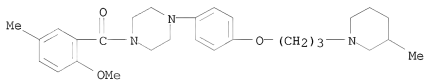
RN 684245-53-2 CAPLUS

CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-4-[(5,6,7,8-tetrahydro-2-naphthalenyl)carbonyl]- (9CI) (CA INDEX NAME)



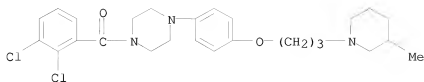
RN 684245-54-3 CAPLUS

CN Piperazine, 1-(2-methoxy-5-methylbenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684245-55-4 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



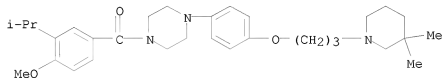
RN 684245-57-6 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-methoxy-3-(1-methylethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-56-5

CMF C31 H45 N3 O3



CM 2

CRN 76-05-1

CMF C2 H F3 O2



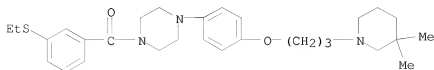
RN 684245-59-8 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(ethylthio)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-58-7

CMF C29 H41 N3 O2 S



CM 2

CRN 76-05-1

CMF C2 H F3 O2



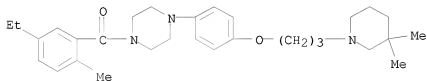
RN 684245-61-2 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(5-ethyl-2-methylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-60-1

CMF C30 H43 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-63-4 CAPLUS

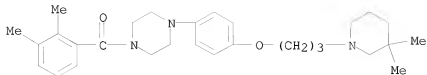
CN Piperazine, 1-(2,3-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-62-3

CMF C29 H41 N3 O2

10/531,758



CM 2

CRN 76-05-1

CMF C2 H F3 O2



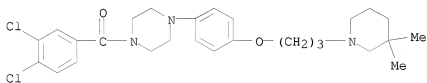
RN 684245-65-6 CAPLUS

CN Piperazine, 1-(3,4-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-64-5

CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-67-8 CAPLUS

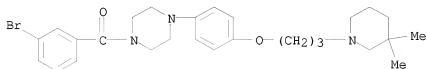
CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(3,3-dimethyl-1-

piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-66-7

CMF C27 H36 Br N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



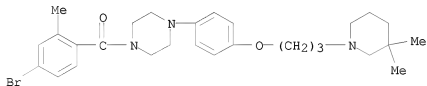
RN 684245-69-0 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-68-9

CMF C28 H38 Br N3 O2



CM 2

CRN 76-05-1

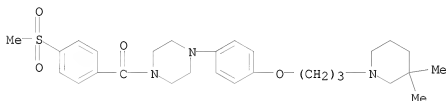
CMF C2 H F3 O2



RN 684245-71-4 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-(methylsulfonyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-70-3
 CMF C28 H39 N3 O4 S



CM 2

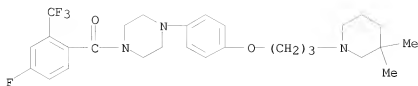
CRN 76-05-1
 CMF C2 H F3 O2



RN 684245-73-6 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[4-fluoro-2-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-72-5
 CMF C28 H35 F4 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



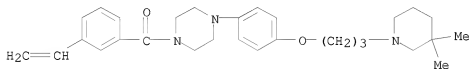
RN 684245-75-8 CAPLUS

CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(3-ethenylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-74-7

CMF C29 H39 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684245-77-0 CAPLUS

CN Acetic acid, [[4-[[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, methyl ester,

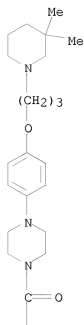
mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

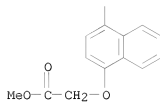
CRN 684245-76-9

CMF C34 H43 N3 O5

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CM 2

CRN 76-05-1

CMF C2 H F3 O2

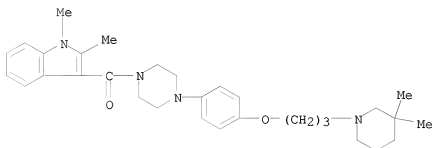
10/531,758



RN 684245-80-5 CAPLUS
CN Piperazine, 1-[(1,2-dimethyl-1H-indol-3-yl)carbonyl]-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-79-2
CMF C31 H42 N4 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2

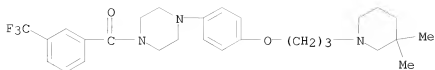


RN 684245-82-7 CAPLUS
CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-[3-(trifluoromethyl)benzoyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-81-6
CMF C28 H36 F3 N3 O2

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CM 2

CRN 76-05-1

CMF C2 H F3 O2



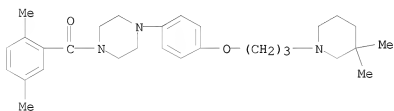
RN 684245-84-9 CAPLUS

CN Piperazine, 1-(2,5-dimethylbenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-83-8

CMF C29 H41 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



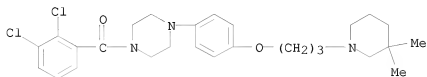
RN 684245-86-1 CAPLUS

CN Piperazine, 1-(2,3-dichlorobenzoyl)-4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-85-0

CMF C27 H35 Cl2 N3 O2



CM 2

CRN 76-05-1

CMF C2 H F3 O2



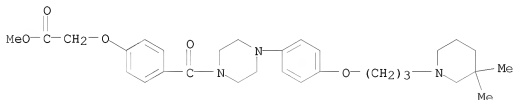
RN 684245-88-3 CAPLUS

CN Acetic acid, [4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-87-2

CMF C30 H41 N3 O5



CM 2

CRN 76-05-1

CMF C2 H F3 O2



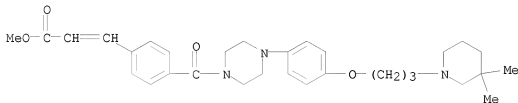
RN 684245-90-7 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl-, methyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-89-4

CMF C31 H41 N3 O4



CM 2

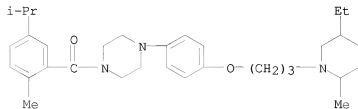
CRN 76-05-1

CMF C2 H F3 O2



RN 684245-91-8 CAPLUS

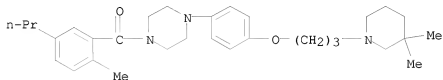
CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyloxy)phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684245-93-0 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-4-(2-methyl-5-propylbenzoyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-92-9
 CMF C31 H45 N3 O2



CM 2

CRN 76-05-1
 CMF C2 H F3 O2

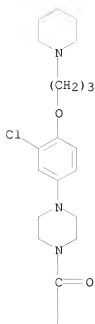


RN 684245-95-2 CAPLUS
 CN Formic acid, compd. with 1-[3-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684245-94-1
 CMF C29 H34 Cl N3 O2

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CM 2

CRN 64-18-6

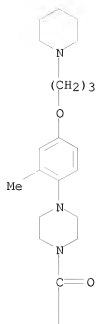
CMF C H2 O2

O=CH-OH

RN 684245-97-4 CAPLUS

CN Piperazine, 1-[2-methyl-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)

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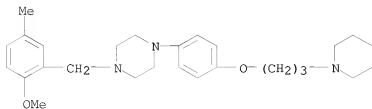
RN 684245-99-6 CAPLUS

CN Formic acid, compd. with 1-[(2-methoxy-5-methylphenyl)methyl]-4-[4-(3-(1-piperidinyl)propoxy)phenyl]piperazine (1:1) (CA INDEX NAME)

CM 1

CRN 684245-98-5

CMF C27 H39 N3 O2



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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

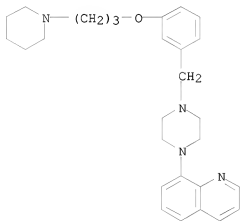
RN 684246-01-3 CAPLUS

CN Quinoline, 8-[4-[[3-[3-(1-piperidinyl)propoxy]phenyl]methyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-00-2

CMF C28 H36 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 684246-02-4 CAPLUS

CN Quinoline, 8-[4-[[3-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

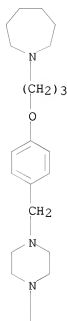
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RN 684246-04-6 CAPLUS

CN Quinoline, 8-[4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl)methyl]-1-piperazinyl]- (CA INDEX NAME)

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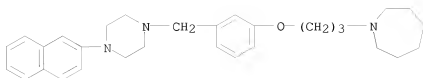


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RN 684246-05-7 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[3-[[4-(2-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]- (CA INDEX NAME)



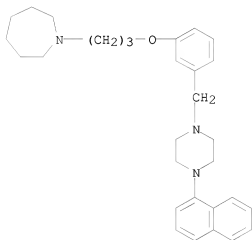
RN 684246-07-9 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[3-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-06-8

CMF C30 H39 N3 O



CM 2

CRN 76-05-1

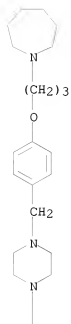
CMF C2 H F3 O2



RN 684246-08-0 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[4-[[4-(1-naphthalenyl)-1-piperazinyl]methyl]phenoxy]propyl]- (CA INDEX NAME)

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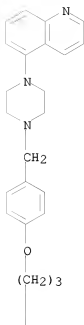
PAGE 2-A



RN 684246-09-1 CAPLUS

CN Quinoline, 5-[4-[[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)

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RN 684246-11-5 CAPLUS
 CN Quinoline, 8-[4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-10-4
 CMF C29 H38 N4 O

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RN 684246-13-7 CAPLUS

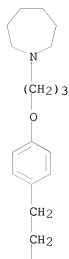
CN Quinoline, 8-[4-[2-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

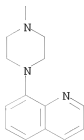
CRN 684246-12-6

CMF C30 H40 N4 O

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CM 2

CRN 76-05-1

CMF C2 H F3 O2

10/531,758

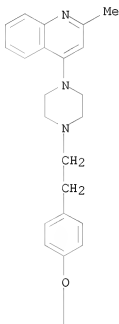


RN 684246-15-9 CAPLUS
CN Quinoline, 2-methyl-4-[4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-14-8
CMF C30 H40 N4 O

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CM 2

CRN 76-05-1

CMF C2 H F3 O2



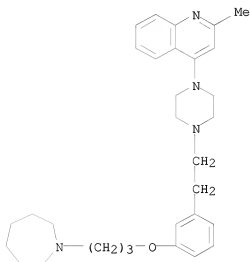
RN 684246-17-1 CAPLUS

CN Quinoline, 4-[4-[2-[3-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]ethyl]-1-piperazinyl]-2-methyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-16-0

CMF C31 H42 N4 O



CM 2

CRN 76-05-1

CMF C2 H F3 O2

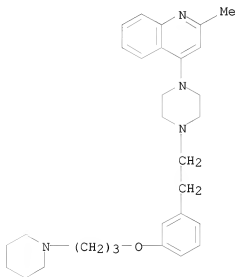
10/531,758



RN 684246-19-3 CAPLUS
CN Quinoline, 2-methyl-4-[4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-1-piperazinyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-18-2
CMF C30 H40 N4 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 684246-21-7 CAPLUS
CN Piperazine, 1-(1-naphthalenyl)-4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

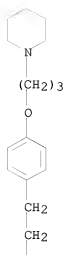
10/531,758

CM 1

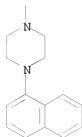
CRN 684246-20-6

CMF C30 H39 N3 O

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CM 2

CRN 76-05-1

CMF C2 H F3 O2

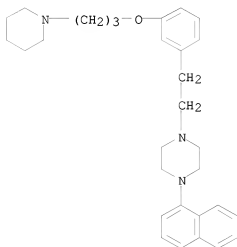
10/531,758



RN 684246-23-9 CAPLUS
CN Piperazine, 1-(1-naphthalenyl)-4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684246-22-8
CMF C30 H39 N3 O



CM 2

CRN 76-05-1
CMF C2 H F3 O2

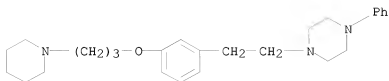


RN 684246-25-1 CAPLUS
CN Piperazine, 1-phenyl-4-[2-[3-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

10/531,758

CRN 684246-24-0
CMF C26 H37 N3 O

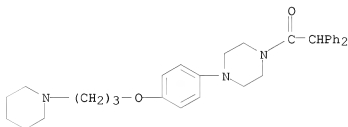


CM 2

CRN 76-05-1
CMF C2 H F3 O2

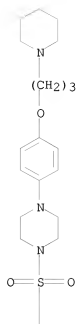


RN 684246-26-2 CAPLUS
CN Piperazine, 1-(diphenylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



RN 684246-27-3 CAPLUS
CN Piperazine, 1-(1-naphthalenylsulfonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

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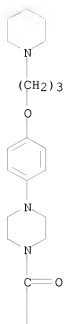


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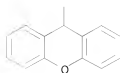


RN 684246-28-4 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(9H-xanthen-9-ylcarbonyl)- (9CI) (CA INDEX NAME)

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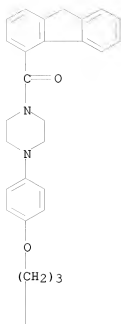


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RN 684246-29-5 CAPLUS
 CN Piperazine, 1-(9H-fluoren-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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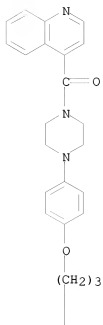


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RN 684246-30-8 CAPLUS
 CN Piperazine, 1-[4-{3-(1-piperidinyloxy)propoxy}phenyl]-4-(4-quinolinyloxy)- (9CI) (CA INDEX NAME)

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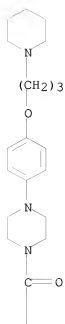
PAGE 2-A



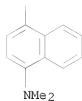
RN 684246-31-9 CAPLUS

CN Piperazine, 1-[[4-(dimethylamino)-1-naphthalenyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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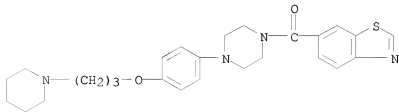


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RN 684246-32-0 CAPLUS

CN Piperazine, 1-(6-benzothiazolylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-34-2 CAPLUS

CN 1-Naphthalenecarboxylic acid, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-

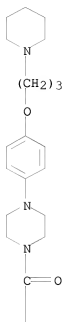
piperazinyl]carbonyl]-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

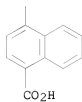
CRN 684246-33-1

CMF C30 H35 N3 O4

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CM 2

CRN 76-05-1

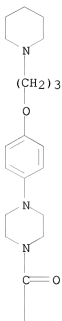
CMF C2 H F3 O2



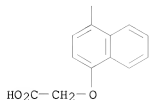
RN 684246-36-4 CAPLUS

CN Acetic acid, [[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

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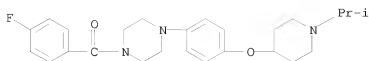


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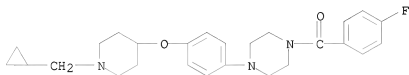
RN 684246-37-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



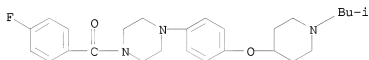
RN 684246-38-6 CAPLUS

CN Piperazine, 1-[4-[(1-(cyclopropylmethyl)-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



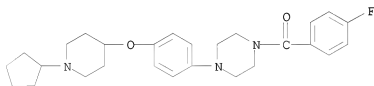
RN 684246-39-7 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[[1-(2-methylpropyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



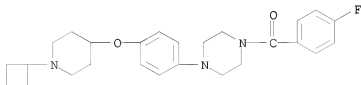
RN 684246-40-0 CAPLUS

CN Piperazine, 1-[4-[(1-(cyclopentyl)-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



RN 684246-41-1 CAPLUS

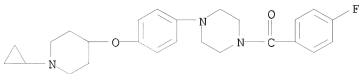
CN Piperazine, 1-[4-[(1-(cyclobutyl)-4-piperidinyl)oxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)



RN 684246-42-2 CAPLUS

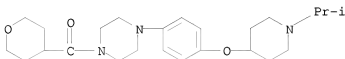
CN Piperazine, 1-[4-[(1-(cyclopropyl)-4-piperidinyl)oxy]phenyl]-4-(4-

fluorobenzoyl)- (9CI) (CA INDEX NAME)



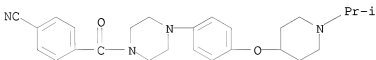
RN 684246-43-3 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[[tetrahydro-2H-pyran-4-yl]carbonyl]- (9CI) (CA INDEX NAME)



RN 684246-44-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



IT 684246-45-5P 684246-46-6P 684246-47-7P
 684246-48-8P 684246-49-9P 684246-50-2P
 684246-51-3P 684246-52-4P 684246-53-5P
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 684246-65-9P 684246-66-0P 684246-67-1P
 684246-68-2P 684246-69-3P 684246-70-6P
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 684246-77-3P 684246-78-4P 684246-79-5P
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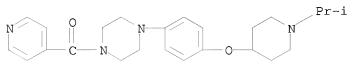
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(preparation of substituted piperazines, [1,4]diazepines, and
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists
 or histamine H3 reverse antagonists)

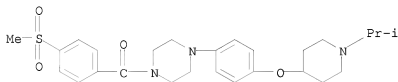
RN 684246-45-5 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-(4-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)



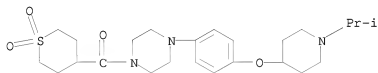
RN 684246-46-6 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[(methylsulfonyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684246-47-7 CAPLUS

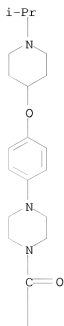
CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



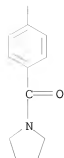
RN 684246-48-8 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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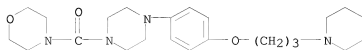


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RN 684246-49-9 CAPLUS

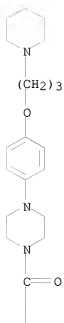
CN Morpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-50-2 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)

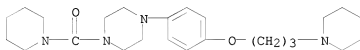
PAGE 1-A



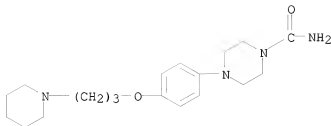
PAGE 2-A



RN 684246-51-3 CAPLUS
 CN Piperazine, 1-(1-piperidinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

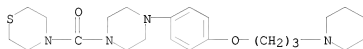


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 CN 1-Piperazinecarboxamide, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



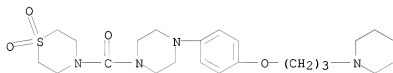
RN 684246-53-5 CAPLUS

CN Thiomorpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



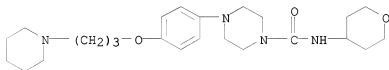
RN 684246-54-6 CAPLUS

CN Thiomorpholine, 4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, 1,1-dioxide (CA INDEX NAME)



RN 684246-55-7 CAPLUS

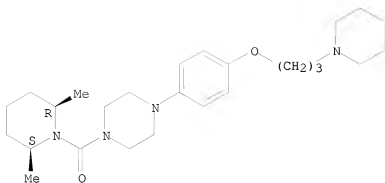
CN 1-Piperazinecarboxamide, 4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 684246-56-8 CAPLUS

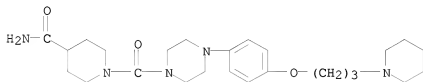
CN Piperazine, 1-[[[(2R,6S)-2,6-dimethyl-1-piperidinyl]carbonyl]-4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 684246-57-9 CAPLUS

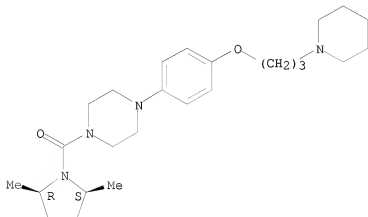
CN 4-Piperidinecarboxamide, 1-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-58-0 CAPLUS

CN Piperazine, 1-[(2R,5S)-2,5-dimethyl-1-pyrrolidinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, rel- (9CI) (CA INDEX NAME)

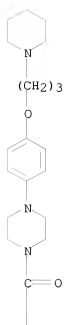
Relative stereochemistry.



RN 684246-59-1 CAPLUS

CN Piperazine, 1-[(2-phenyl-1-pyrrolidinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

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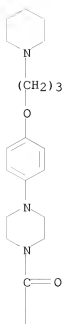
PAGE 2-A



RN 684246-60-4 CAPLUS

CN Piperazine, 1-[(3-phenyl-1-pyrrolidinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

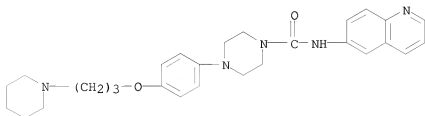
PAGE 1-A



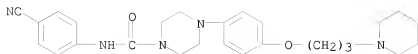
PAGE 2-A



RN 684246-61-5 CAPLUS
 CN 1-Piperazinecarboxamide, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-N-6-quinolinyl- (CA INDEX NAME)

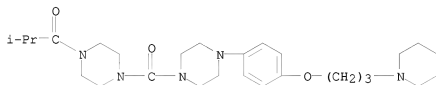


RN 684246-62-6 CAPLUS
 CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



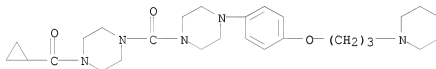
RN 684246-65-9 CAPLUS

CN Piperazine, 1-[[4-(2-methyl-1-oxopropyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



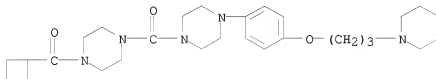
RN 684246-66-0 CAPLUS

CN Piperazine, 1-[[4-(cyclopropylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



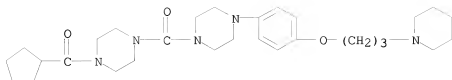
RN 684246-67-1 CAPLUS

CN Piperazine, 1-[[4-(cyclobutylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



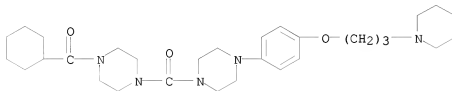
RN 684246-68-2 CAPLUS

CN Piperazine, 1-[[4-(cyclopentylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



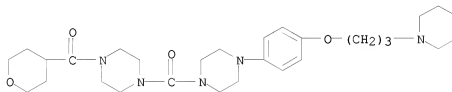
RN 684246-69-3 CAPLUS

CN Piperazine, 1-[[4-(cyclohexylcarbonyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



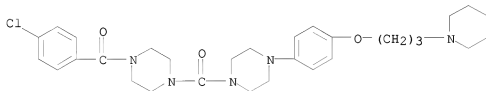
RN 684246-70-6 CAPLUS

CN Piperazine, 1-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



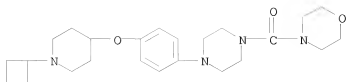
RN 684246-71-7 CAPLUS

CN Piperazine, 1-[[4-(4-chlorobenzoyl)-1-piperazinyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



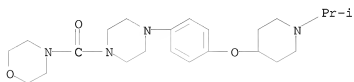
RN 684246-72-8 CAPLUS

CN Morpholine, 4-[[4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



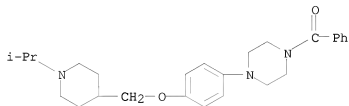
RN 684246-73-9 CAPLUS

CN Morpholine, 4-[[4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-74-0 CAPLUS

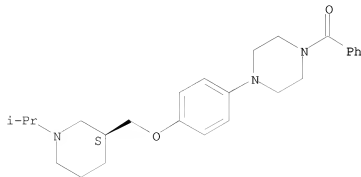
CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-4-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-75-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

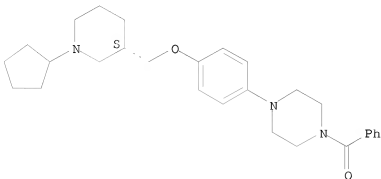


10/531,758

RN 684246-76-2 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(1(3S)-1-cyclopentyl-3-piperidinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)

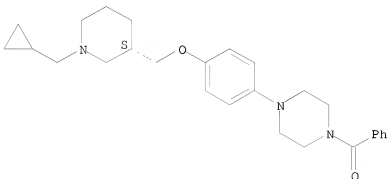
Absolute stereochemistry.



RN 684246-77-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(1(3S)-1-(cyclopropylmethyl)-3-piperidinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)

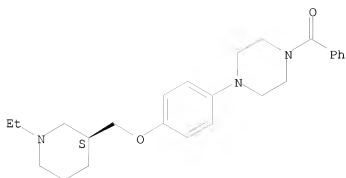
Absolute stereochemistry.



RN 684246-78-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(1(3S)-1-ethyl-3-piperidinyl)methoxy]phenyl]- (9CI) (CA INDEX NAME)

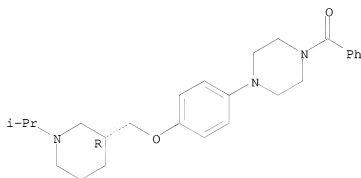
Absolute stereochemistry.



RN 684246-79-5 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3R)-1-(1-methylethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

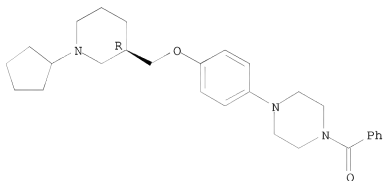
Absolute stereochemistry.



RN 684246-80-8 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3R)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

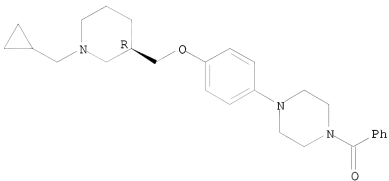
Absolute stereochemistry.



RN 684246-81-9 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[[(3R)-1-(cyclopropylmethyl)-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

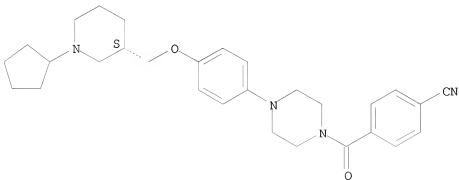
Absolute stereochemistry.



RN 684246-82-0 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[[(3S)-1-cyclopentyl-3-piperidinyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

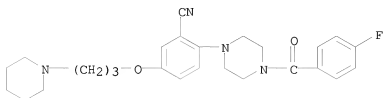
Absolute stereochemistry.



RN 684246-83-1 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[2-(1-piperidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)

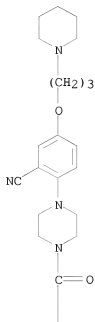
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-fluorobenzoyl)- (9CI) (CA INDEX NAME)

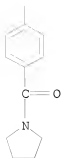


RN 684246-88-6 CAPLUS

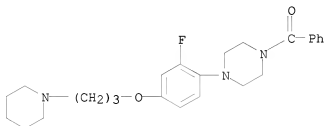
CN Piperazine, 1-[2-cyano-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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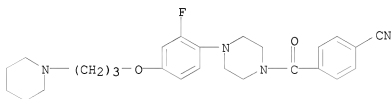


RN 684246-89-7 CAPLUS

CN Piperazine, 1-benzoyl-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

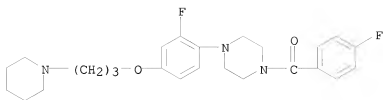
RN 684246-90-0 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684246-91-1 CAPLUS

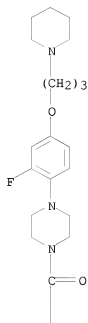
CN Piperazine, 1-(4-fluorobenzoyl)-4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



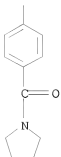
RN 684246-92-2 CAPLUS

CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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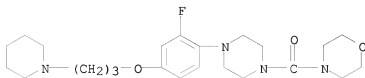


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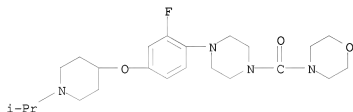
RN 684246-93-3 CAPLUS

CN Morpholine, 4-[[4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-94-4 CAPLUS

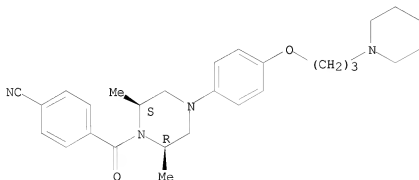
CN Morpholine, 4-[[4-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684246-95-5 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

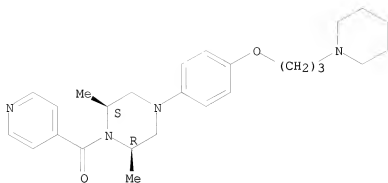
Relative stereochemistry.



RN 684246-96-6 CAPLUS

CN Piperazine, 2,6-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-(4-pyridinylcarbonyl)-, (2R,6S)-rel- (9CI) (CA INDEX NAME)

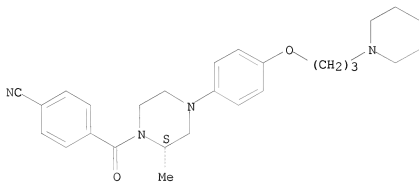
Relative stereochemistry.



RN 684246-97-7 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

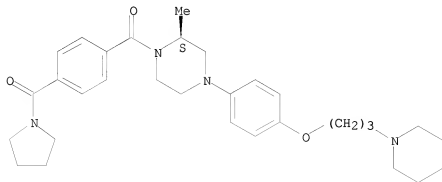
Absolute stereochemistry.



RN 684246-98-8 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2S)- (9CI) (CA INDEX NAME)

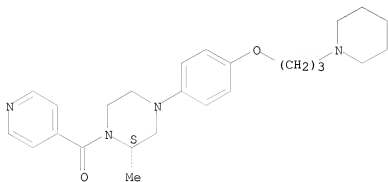
Absolute stereochemistry.



RN 684246-99-9 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-(4-pyridinylcarbonyl)-, (2S)- (9CI) (CA INDEX NAME)

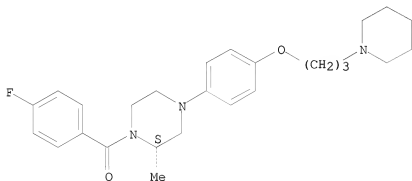
Absolute stereochemistry.



RN 684247-00-5 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

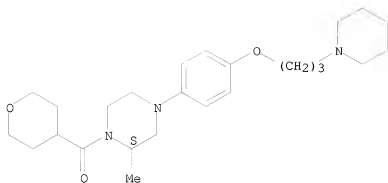
Absolute stereochemistry.



RN 684247-01-6 CAPLUS

CN Piperazine, 2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2S)- (9CI) (CA INDEX NAME)

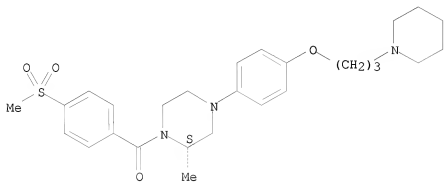
Absolute stereochemistry.



RN 684247-02-7 CAPLUS

CN Piperazine, 2-methyl-1-[4-(methanesulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

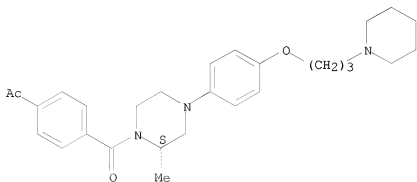
Absolute stereochemistry.



RN 684247-03-8 CAPLUS

CN Piperazine, 1-(4-acetylbenzoyl)-2-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2S)- (9CI) (CA INDEX NAME)

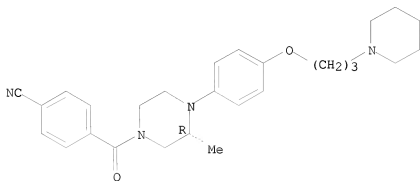
Absolute stereochemistry.



RN 684247-04-9 CAPLUS

CN Piperazine, 4-(4-cyanobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

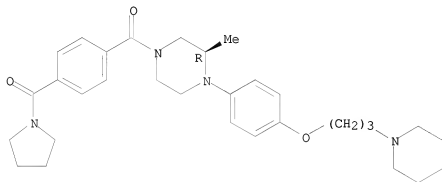
Absolute stereochemistry.



RN 684247-05-0 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R)- (9CI) (CA INDEX NAME)

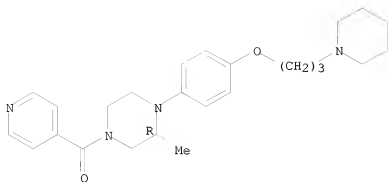
Absolute stereochemistry.



RN 684247-06-1 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-, (2R)- (9CI) (CA INDEX NAME)

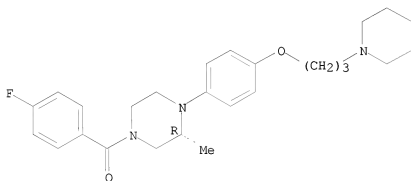
Absolute stereochemistry.



RN 684247-07-2 CAPLUS

CN Piperazine, 4-(4-fluorobenzoyl)-2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (9CI) (CA INDEX NAME)

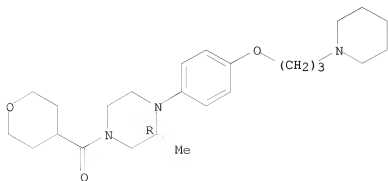
Absolute stereochemistry.



RN 684247-08-3 CAPLUS

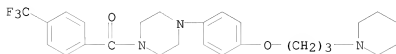
CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



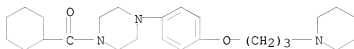
RN 684247-09-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(trifluoromethyl)benzoyl]- (9CI) (CA INDEX NAME)



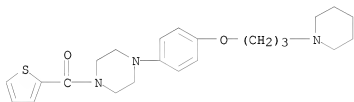
RN 684247-10-7 CAPLUS

CN Piperazine, 1-(cyclohexylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



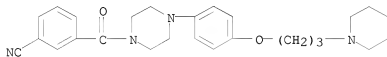
RN 684247-11-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-thienylcarbonyl)- (9CI) (CA INDEX NAME)



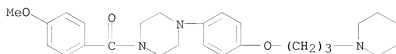
RN 684247-12-9 CAPLUS

CN Piperazine, 1-(3-cyanobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



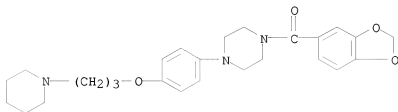
RN 684247-13-0 CAPLUS

CN Piperazine, 1-(4-methoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



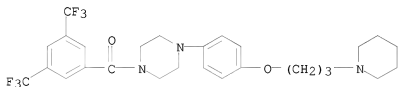
RN 684247-14-1 CAPLUS

CN Piperazine, 1-(1,3-benzodioxol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



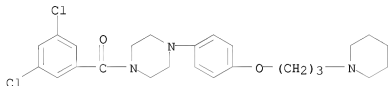
RN 684247-15-2 CAPLUS

CN Piperazine, 1-[3,5-bis(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



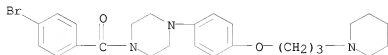
RN 684247-16-3 CAPLUS

CN Piperazine, 1-(3,5-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



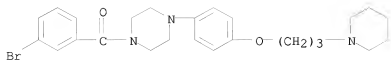
RN 684247-17-4 CAPLUS

CN Piperazine, 1-(4-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

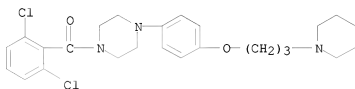


RN 684247-18-5 CAPLUS

CN Piperazine, 1-(3-bromobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

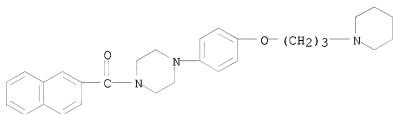


RN 684247-19-6 CAPLUS

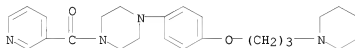
CN Piperazine, 1-(2,6-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

RN 684247-20-9 CAPLUS

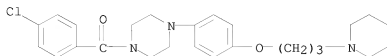
CN Piperazine, 1-(2-naphthalenylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-21-0 CAPLUS

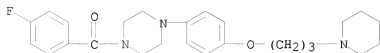
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-pyridinylcarbonyl)-
(9CI) (CA INDEX NAME)

RN 684247-22-1 CAPLUS

CN Piperazine, 1-(4-chlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

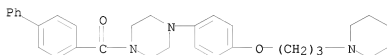
RN 684247-23-2 CAPLUS

CN Piperazine, 1-(4-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



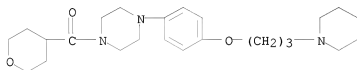
RN 684247-24-3 CAPLUS

CN Piperazine, 1-([1,1'-biphenyl]-4-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



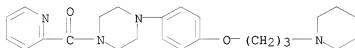
RN 684247-25-4 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



RN 684247-26-5 CAPLUS

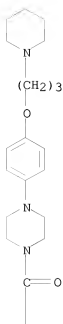
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-pyridinylcarbonyl)-
(9CI) (CA INDEX NAME)



RN 684247-27-6 CAPLUS

CN Piperazine, 1-(1-isoquinolinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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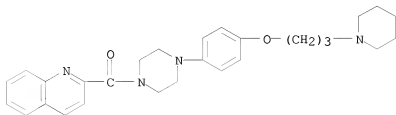


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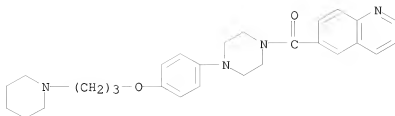
RN 684247-28-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



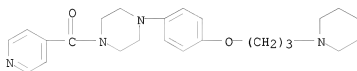
RN 684247-29-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(6-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



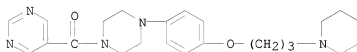
RN 684247-30-1 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-
(9CI) (CA INDEX NAME)



RN 684247-31-2 CAPLUS

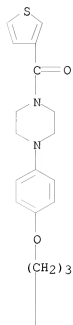
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-pyrimidinylcarbonyl)-
(9CI) (CA INDEX NAME)



RN 684247-32-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-thienylcarbonyl)-
(9CI) (CA INDEX NAME)

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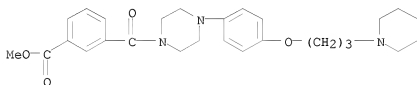


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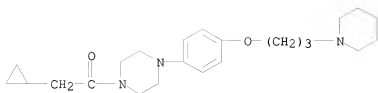
RN 684247-34-5 CAPLUS

CN Benzoic acid, 3-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, methyl ester (CA INDEX NAME)



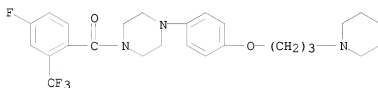
RN 684247-35-6 CAPLUS

CN Piperazine, 1-(cyclopropylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-(9CI) (CA INDEX NAME)



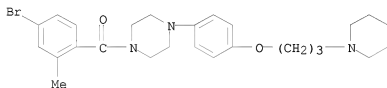
RN 684247-36-7 CAPLUS

CN Piperazine, 1-[4-fluoro-2-(trifluoromethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



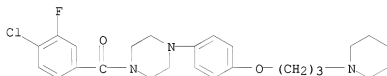
RN 684247-37-8 CAPLUS

CN Piperazine, 1-(4-bromo-2-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



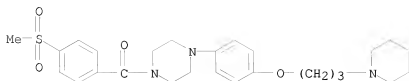
RN 684247-38-9 CAPLUS

CN Piperazine, 1-(4-chloro-3-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



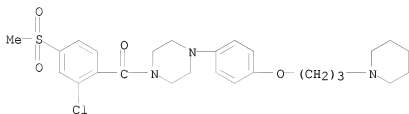
RN 684247-39-0 CAPLUS

CN Piperazine, 1-[4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



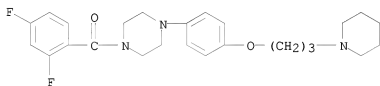
RN 684247-40-3 CAPLUS

CN Piperazine, 1-[2-chloro-4-(methylsulfonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



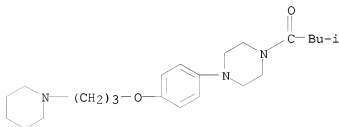
RN 684247-41-4 CAPLUS

CN Piperazine, 1-(2,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



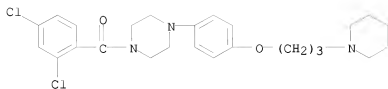
RN 684247-42-5 CAPLUS

CN Piperazine, 1-(3-methyl-1-oxobutyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



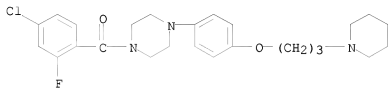
RN 684247-43-6 CAPLUS

CN Piperazine, 1-(2,4-dichlorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



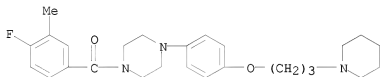
RN 684247-44-7 CAPLUS

CN Piperazine, 1-(4-chloro-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



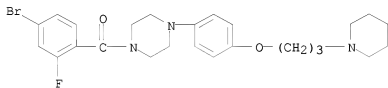
RN 684247-45-8 CAPLUS

CN Piperazine, 1-(4-fluoro-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



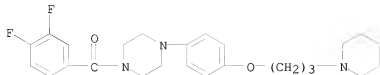
RN 684247-46-9 CAPLUS

CN Piperazine, 1-(4-bromo-2-fluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



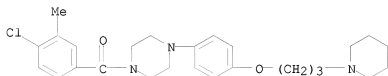
RN 684247-47-0 CAPLUS

CN Piperazine, 1-(3,4-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



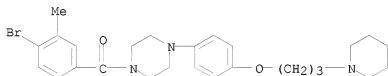
RN 684247-48-1 CAPLUS

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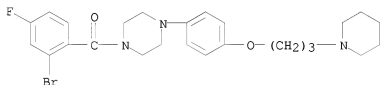
RN 684247-49-2 CAPLUS

CN Piperazine, 1-(4-bromo-3-methylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



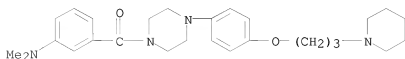
RN 684247-50-5 CAPLUS

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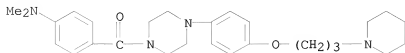
RN 684247-51-6 CAPLUS

CN Piperazine, 1-[3-(dimethylamino)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-52-7 CAPLUS

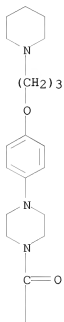
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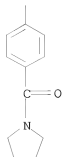
RN 684247-53-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)

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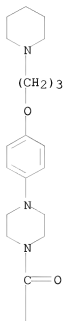


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RN 684247-54-9 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(8-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)

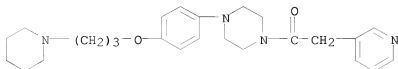
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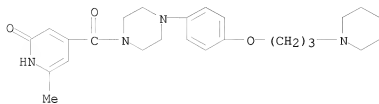


RN 684247-55-0 CAPLUS
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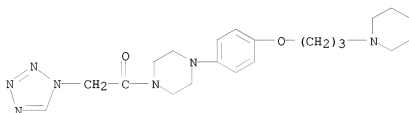
RN 684247-56-1 CAPLUS
 CN Piperazine, 1-[(1,2-dihydro-6-methyl-2-oxo-4-pyridinyl)carbonyl]-4-[4-[3-

(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-57-2 CAPLUS

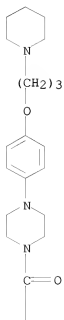
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1H-tetrazol-1-ylacetyl)- (9CI) (CA INDEX NAME)



RN 684247-58-3 CAPLUS

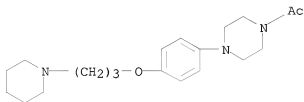
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-pyrrol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)

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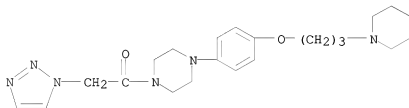




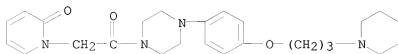
RN 684247-59-4 CAPLUS
 CN Piperazine, 1-acetyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-60-7 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1H-1,2,3-triazol-1-ylacetyl)- (9CI) (CA INDEX NAME)



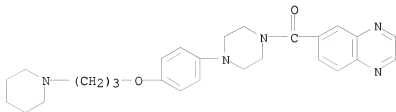
RN 684247-61-8 CAPLUS
 CN Piperazine, 1-[(2-oxo-1(2H)-pyridinyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-62-9 CAPLUS

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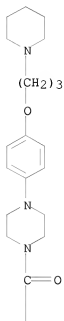
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(6-quinoxalinylicarbonyl)- (9CI) (CA INDEX NAME)



RN 684247-63-0 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-quinoxalinylicarbonyl)- (9CI) (CA INDEX NAME)

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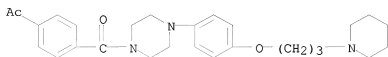


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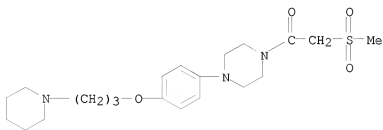
RN 684247-64-1 CAPLUS

CN Piperazine, 1-(4-acetylbenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)



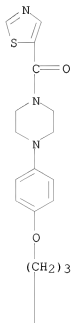
RN 684247-65-2 CAPLUS

CN Piperazine, 1-[(methylsulfonyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-66-3 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(5-thiazolylcarbonyl)-
(9CI) (CA INDEX NAME)



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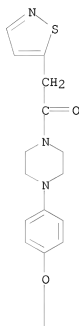
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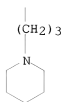
RN 684247-67-4 CAPLUS

CN Piperazine, 1-(5-isothiazolylacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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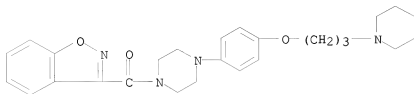
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RN 684247-68-5 CAPLUS

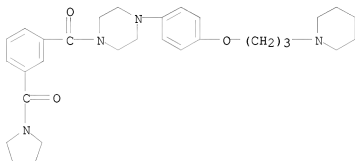
CN Piperazine, 1-(1,2-benzisoxazol-3-ylcarbonyl)-4-[4-[3-(1-

piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



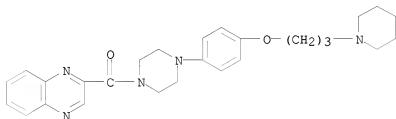
RN 684247-69-6 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[3-(1-pyrrolidinylcarbonyl)benzoyl]- (9CI) (CA INDEX NAME)



RN 684247-70-9 CAPLUS

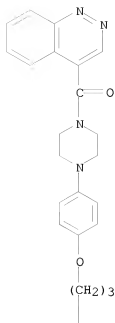
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2-quinoxalinylylcarbonyl)- (9CI) (CA INDEX NAME)



RN 684247-71-0 CAPLUS

CN Piperazine, 1-(4-cinnolinylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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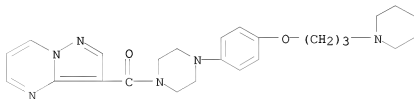


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RN 684247-72-1 CAPLUS

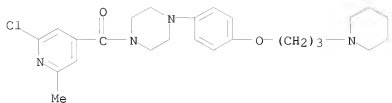
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazolo[1,5-a]pyrimidin-3-ylcarbonyl)- (9CI) (CA INDEX NAME)



RN 684247-73-2 CAPLUS

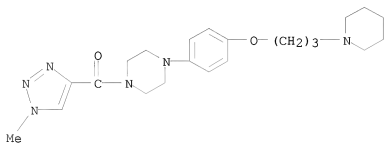
CN Piperazine, 1-[(2-chloro-6-methyl-4-pyridinyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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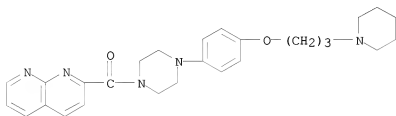
RN 684247-74-3 CAPLUS

CN Piperazine, 1-[(1-methyl-1H-1,2,3-triazol-4-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



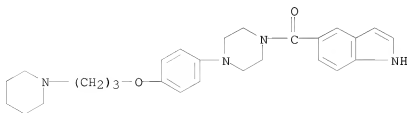
RN 684247-75-4 CAPLUS

CN Piperazine, 1-(1,8-naphthyridin-2-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



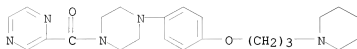
RN 684247-76-5 CAPLUS

CN Piperazine, 1-(1H-indol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



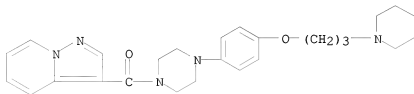
RN 684247-77-6 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazinylcarbonyl)-
(9CI) (CA INDEX NAME)



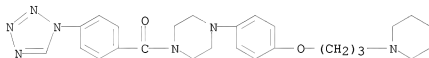
RN 684247-78-7 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(pyrazolo[1,5-a]pyridin-3-ylcarbonyl)- (9CI) (CA INDEX NAME)



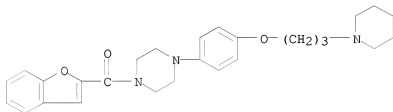
RN 684247-79-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1H-tetrazol-1-yl)benzoyl]- (9CI) (CA INDEX NAME)



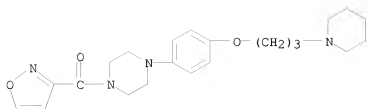
RN 684247-80-1 CAPLUS

CN Piperazine, 1-(2-benzofuranylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



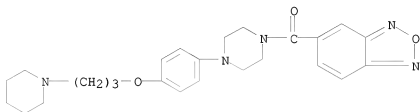
RN 684247-81-2 CAPLUS

CN Piperazine, 1-(3-isoxazolylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-82-3 CAPLUS

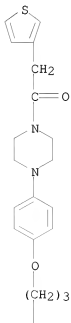
CN Piperazine, 1-(2,1,3-benzoxadiazol-5-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-83-4 CAPLUS

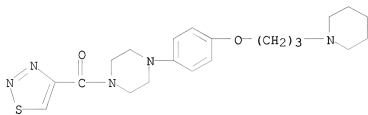
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(3-thienylacetyl)- (9CI) (CA INDEX NAME)

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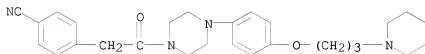




RN 684247-84-5 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(1,2,3-thiadiazol-4-ylcarbonyl)- (9CI) (CA INDEX NAME)

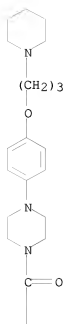


RN 684247-85-6 CAPLUS
 CN Piperazine, 1-[4-(4-cyanophenyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-86-7 CAPLUS
 CN Piperazine, 1-[4-(2,3-dihydro-7-benzofuranyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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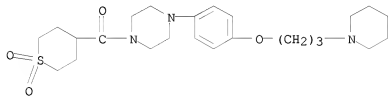


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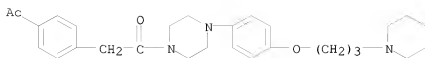
RN 684247-87-8 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-1,1-dioxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



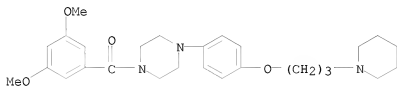
RN 684247-88-9 CAPLUS

CN Piperazine, 1-[(4-acetylphenyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



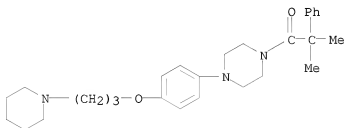
RN 684247-89-0 CAPLUS

CN Piperazine, 1-(3,5-dimethoxybenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-90-3 CAPLUS

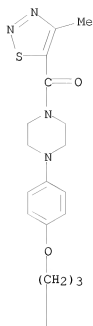
CN Piperazine, 1-(2-methyl-1-oxo-2-phenylpropyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684247-91-4 CAPLUS

CN Piperazine, 1-[(4-methyl-1,2,3-thiadiazol-5-yl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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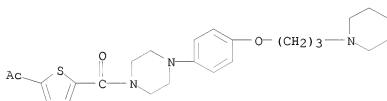


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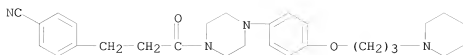
RN 684247-93-6 CAPLUS

CN Piperazine, 1-[(5-acetyl-2-thienyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



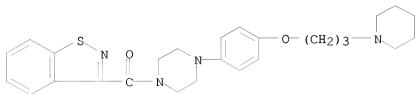
RN 684247-94-7 CAPLUS

CN Piperazine, 1-[3-(4-cyanophenyl)-1-oxopropyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



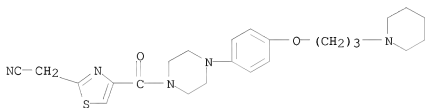
RN 684247-95-8 CAPLUS

CN Piperazine, 1-[(1,2-benzisothiazol-3-ylcarbonyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



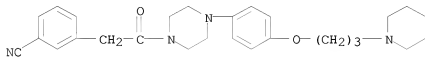
RN 684247-96-9 CAPLUS

CN Piperazine, 1-[[2-(cyanomethyl)-4-thiazolyl]carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



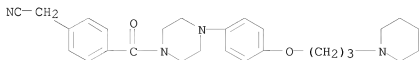
RN 684247-97-0 CAPLUS

CN Piperazine, 1-[(3-cyanophenyl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



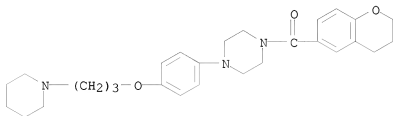
RN 684247-98-1 CAPLUS

CN Piperazine, 1-[4-(cyanomethyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



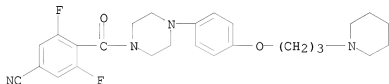
RN 684247-99-2 CAPLUS

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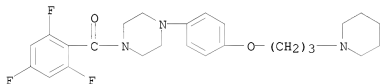
RN 684248-00-8 CAPLUS

CN Piperazine, 1-(4-cyano-2,6-difluorobenzoyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



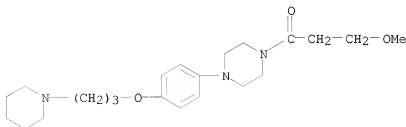
RN 684248-01-9 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-(2,4,6-trifluorobenzoyl)- (9CI) (CA INDEX NAME)



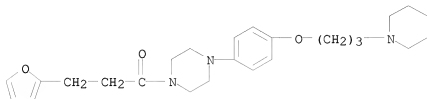
RN 684248-02-0 CAPLUS

CN Piperazine, 1-(3-methoxy-1-oxopropyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



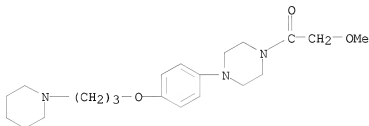
RN 684248-03-1 CAPLUS

CN Piperazine, 1-[3-(2-furanyl)-1-oxopropyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



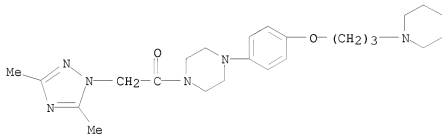
RN 684248-04-2 CAPLUS

CN Piperazine, 1-(methoxyacetyl)-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-05-3 CAPLUS

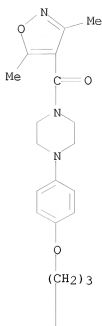
CN Piperazine, 1-[(3,5-dimethyl-1H-1,2,4-triazol-1-yl)acetyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-06-4 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

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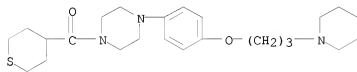


PAGE 2-A



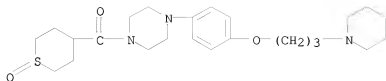
RN 684248-07-5 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



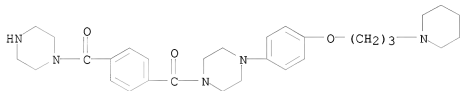
RN 684248-08-6 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-1-oxido-2H-thiopyran-4-yl)carbonyl]- (9CI) (CA INDEX NAME)



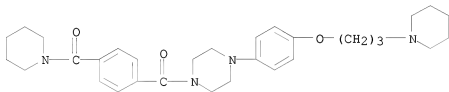
RN 684248-10-0 CAPLUS

CN Piperazine, 1-[4-(1-piperazinylcarbonyl)benzoyl]-4-[4-(3-(1-piperidinyl)propoxy)phenyl]- (9CI) (CA INDEX NAME)



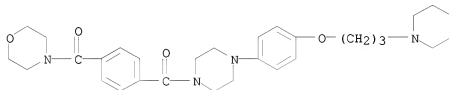
RN 684248-11-1 CAPLUS

CN Piperazine, 1-[4-(1-piperidinylcarbonyl)benzoyl]-4-[4-(3-(1-piperidinyl)propoxy)phenyl]- (9CI) (CA INDEX NAME)



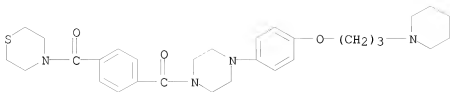
RN 684248-12-2 CAPLUS

CN Morpholine, 4-[4-[[4-[4-(3-(1-piperidinyl)propoxy)phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



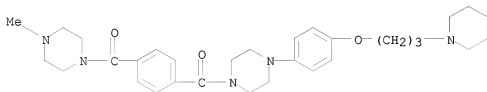
RN 684248-13-3 CAPLUS

CN Thiomorpholine, 4-[4-[[4-[4-(3-(1-piperidinyl)propoxy)phenyl]-1-piperazinyl]carbonyl]benzoyl]- (9CI) (CA INDEX NAME)



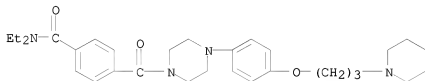
RN 684248-14-4 CAPLUS

CN Piperazine, 1-[4-[(4-methyl-1-piperazinyl)carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



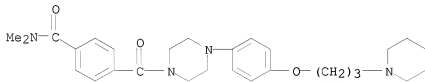
RN 684248-15-5 CAPLUS

CN Benzamide, N,N-diethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



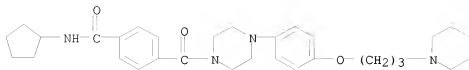
RN 684248-16-6 CAPLUS

CN Benzamide, N,N-dimethyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



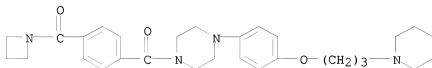
RN 684248-17-7 CAPLUS

CN Benzamide, N-cyclopentyl-4-[[4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



RN 684248-18-8 CAPLUS

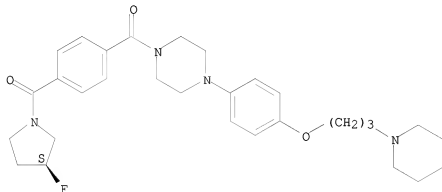
CN Piperazine, 1-[4-[(1-azetidinyldicarbonyl)benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-19-9 CAPLUS

CN Piperazine, 1-[4-[[[(3S)-3-fluoro-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

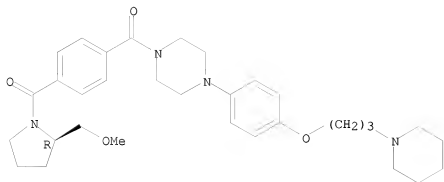
Absolute stereochemistry.



RN 684248-20-2 CAPLUS

CN Piperazine, 1-[4-[[[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)

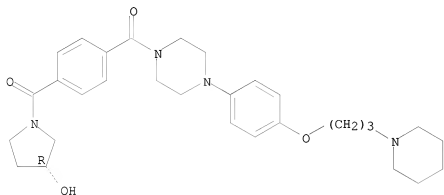
Absolute stereochemistry.



RN 684248-21-3 CAPLUS

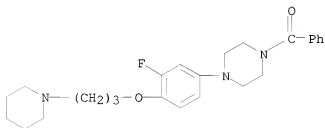
CN Piperazine, 1-[4-[[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]benzoyl]-4-[4-[3-(1-piperidinyloxypropoxy)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 684248-22-4 CAPLUS

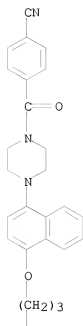
CN Piperazine, 1-benzoyl-4-[3-fluoro-4-[3-(1-piperidinyloxypropoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 684248-24-6 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[3-(1-piperidinyloxypropoxy)-1-naphthalenyl]- (9CI) (CA INDEX NAME)

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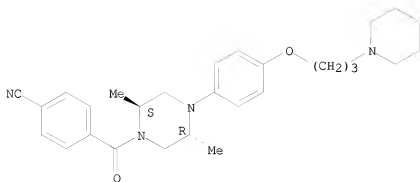
PAGE 2-A



RN 684248-30-4 CAPLUS

CN Piperazine, 1-(4-cyanobenzoyl)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

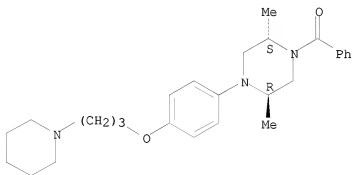
Relative stereochemistry.



RN 684248-31-5 CAPLUS

CN Piperazine, 1-benzoyl-2,5-dimethyl-4-[4-[3-(1-piperidiny)propoxy]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

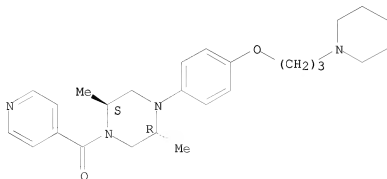
Relative stereochemistry.



RN 684248-32-6 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidiny)propoxy]phenyl]-4-(4-pyridinylcarbonyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

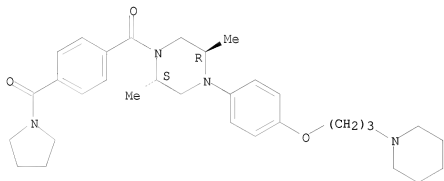


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RN 684248-33-7 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[4-(1-pyrrolidinylcarbonyl)benzoyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

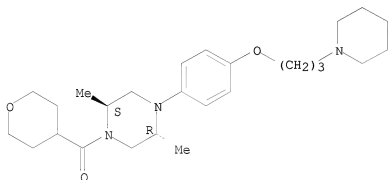
Relative stereochemistry.



RN 684248-34-8 CAPLUS

CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-4-[(tetrahydro-2H-pyran-4-yl)carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

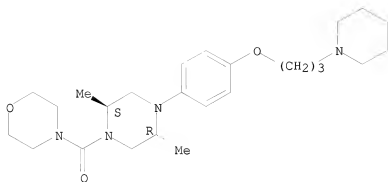
Relative stereochemistry.



RN 684248-35-9 CAPLUS

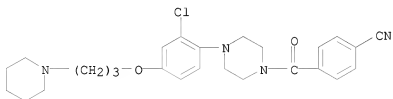
CN Morpholine, 4-[[[(2S,5R)-2,5-dimethyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



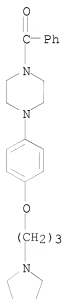
RN 684248-37-1 CAPLUS

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]-4-(4-cyanobenzoyl)- (9CI) (CA INDEX NAME)



RN 684248-38-2 CAPLUS

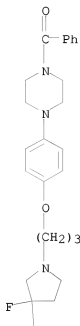
CN Piperazine, 1-benzoyl-4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 684248-39-3 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(3,3-difluoro-1-pyrrolidinyl)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

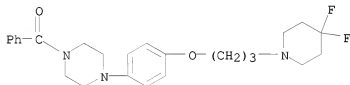
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RN 684248-40-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[3-(4,4-difluoro-1-piperidiny)propoxy]phenyl]-
(9CI) (CA INDEX NAME)

RN 684248-42-8 CAPLUS

CN Formic acid, compd. with 1-(1-naphthalenylcarbonyl)-4-[2-[4-[3-(1-piperidiny)propoxy]phenyl]ethyl]piperazine (1:1) (9CI) (CA INDEX NAME)



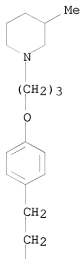
RN 684248-44-0 CAPLUS
 CN Formic acid, compd. with 1-[2-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

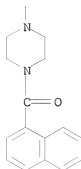
CRN 684248-43-9

CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 684248-46-2 CAPLUS

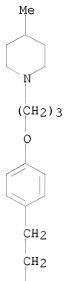
CN Formic acid, compd. with 1-[2-[4-[3-(4-methyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

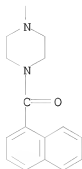
CM 1

CRN 684248-45-1

CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

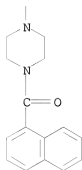
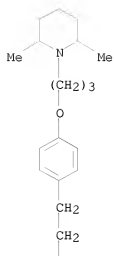
RN 684248-48-4 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(2,6-dimethyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-47-3

CMF C33 H43 N3 O2



CM 2

CRN 64-18-6

CMF C H2 O2



RN 684248-50-8 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(hexahydro-1H-azepin-1-

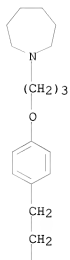
yl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI)
(CA INDEX NAME)

CM 1

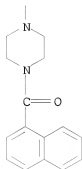
CRN 684248-49-5

CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

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CMF C H2 O2

O=CH-OH

RN 684248-52-0 CAPLUS

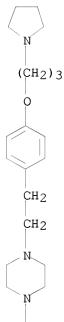
CN Formic acid, compd. with 1-(1-naphthalenylcarbonyl)-4-[2-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]ethyl]piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-51-9

CMF C30 H37 N3 O2

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CM 2

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CRN 64-18-6
CMF C H2 O2

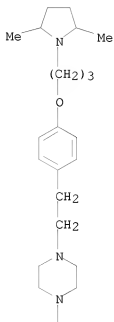
O=CH-OH

RN 684248-54-2 CAPLUS
CN Formic acid, compd. with 1-[2-[4-[3-(2,5-dimethyl-1-pyrrolidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-53-1
CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 684248-56-4 CAPLUS

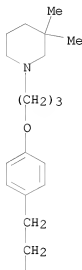
CN Formic acid, compd. with 1-[2-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

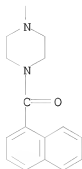
CM 1

CRN 684248-55-3

CMF C33 H43 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

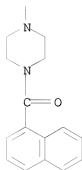
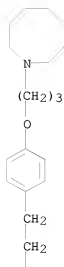
RN 684248-58-6 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(hexahydro-1(2H)-
azocinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1)
(9CI) (CA INDEX NAME)

CM 1

CRN 684248-57-5

CMF C33 H43 N3 O2



CM 2

CRN 64-18-6

CMF C H2 O2



RN 684248-60-0 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[3-(5-ethyl-2-methyl-1-

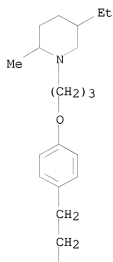
piperidinyl)propoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine
(1:1) (9CI) (CA INDEX NAME)

CM 1

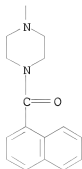
CRN 684248-59-7

CMF C34 H45 N3 O2

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CM 2

CRN 64-18-6

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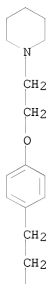
CMF C H2 O2

O=CH-OH

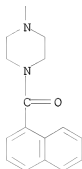
RN 684248-61-1 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[2-[4-[2-(1-piperidinyl)ethoxy]phenyl]ethyl]- (9CI) (CA INDEX NAME)

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RN 684248-63-3 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[2-(3-methyl-1-

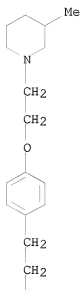
piperidinyl]ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine
(1:1) (9CI) (CA INDEX NAME)

CM 1

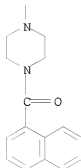
CRN 684248-62-2

CMF C31 H39 N3 O2

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CM 2

CRN 64-18-6

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CMF C H2 O2

O=CH-OH

RN 684248-65-5 CAPLUS

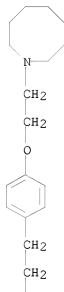
CN Formic acid, compd. with 1-[2-[4-[2-(hexahydro-1(2H)-
azocinyl)ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1)
(9CI) (CA INDEX NAME)

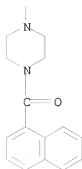
CM 1

CRN 684248-64-4

CMF C32 H41 N3 O2

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CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

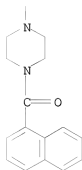
RN 684248-67-7 CAPLUS

CN Formic acid, compd. with 1-[2-[4-[2-(4-methyl-1-piperidinyl)ethoxy]phenyl]ethyl]-4-(1-naphthalenylcarbonyl)piperazine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-66-6

CMF C31 H39 N3 O2



CM 2

CRN 64-18-6

CMF C H2 O2

O=CH-OH

RN 684248-69-9 CAPLUS

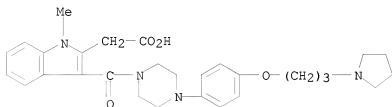
CN Formic acid, compd. with 1-[2-[4-[2-(hexahydro-1H-azepin-1-

CMF C H2 O2

O=CH-OH

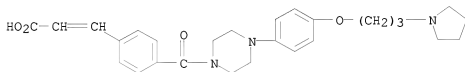
RN 684248-70-2 CAPLUS

CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)



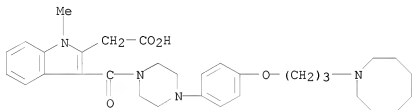
RN 684248-71-3 CAPLUS

CN 2-Propenoic acid, 3-[[4-[4-[3-(1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



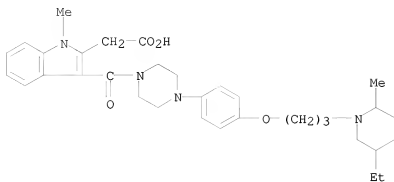
RN 684248-72-4 CAPLUS

CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(hexahydro-1(2H)-azocinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl- (CA INDEX NAME)



RN 684248-73-5 CAPLUS

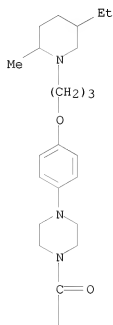
CN 1H-Indole-2-acetic acid, 3-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-methyl- (CA INDEX NAME)

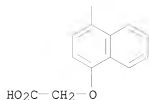


RN 684248-74-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-(9CI) (CA INDEX NAME)

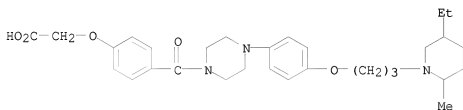
PAGE 1-A





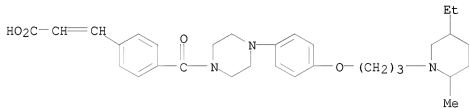
RN 684248-75-7 CAPLUS

CN Acetic acid, [4-[[[4-[3-(5-ethyl-2-methyl-1-piperidinyloxy)phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



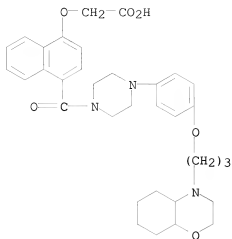
RN 684248-76-8 CAPLUS

CN 2-Propenoic acid, 3-[4-[[[4-[3-(5-ethyl-2-methyl-1-piperidinyloxy)phenyl]-1-piperazinyl]carbonyl]phenyl]-1-piperazinyl]propoxy]phenyl]- (CA INDEX NAME)



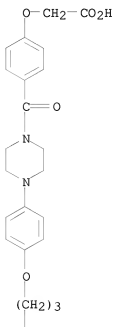
RN 684248-77-9 CAPLUS

CN Acetic acid, [[4-[[[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)



RN 684248-78-0 CAPLUS
 CN Acetic acid, [4-[[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)

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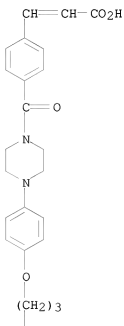


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RN 684248-79-1 CAPLUS
 CN 2-Propenoic acid, 3-[4-[[4-[4-[3-(octahydro-4H-1,4-benzoxazin-4-yl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)

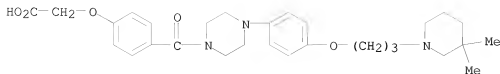
PAGE 1-A



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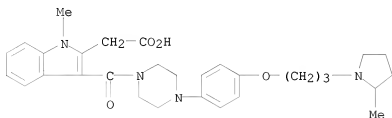


RN 684248-80-4 CAPLUS
 CN Acetic acid, [4-[[4-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



RN 684248-81-5 CAPLUS

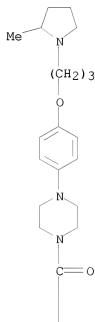
CN 1H-Indole-2-acetic acid, 1-methyl-3-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]- (CA INDEX NAME)

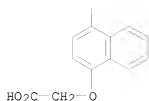


RN 684248-82-6 CAPLUS

CN Acetic acid, [[4-[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

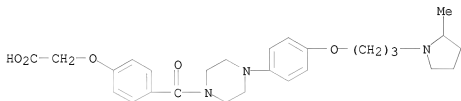
PAGE 1-A





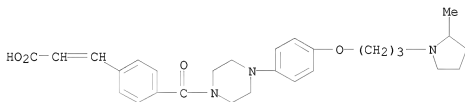
RN 684248-83-7 CAPLUS

CN Acetic acid, [4-[[[4-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



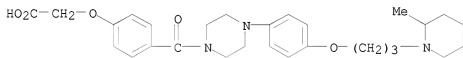
RN 684248-84-8 CAPLUS

CN 2-Propenoic acid, 3-[4-[[[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-85-9 CAPLUS

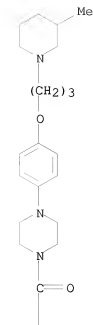
CN Acetic acid, [4-[[[4-[4-[3-(2-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]phenoxy]- (9CI) (CA INDEX NAME)



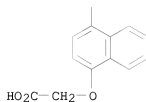
RN 684248-86-0 CAPLUS

CN Acetic acid, [[4-[[[4-[4-[3-(3-methyl-1-piperidiny)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]- (9CI) (CA INDEX NAME)

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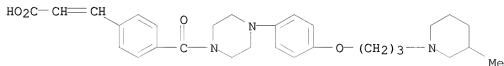


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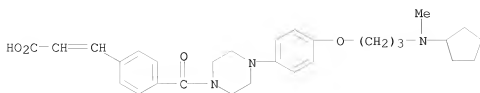
RN 684248-87-1 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-88-2 CAPLUS

CN 2-Propenoic acid, 3-[4-[[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]phenyl]- (CA INDEX NAME)



RN 684248-90-6 CAPLUS

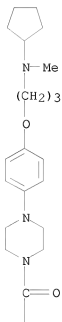
CN Acetic acid, [[4-[[4-[3-(cyclopentylmethylamino)propoxy]phenyl]-1-piperazinyl]carbonyl]-1-naphthalenyl]oxy]-, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

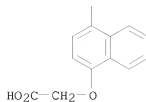
CRN 684248-89-3

CMF C32 H39 N3 O5

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CM 2

CRN 76-05-1

CMF C2 H F3 O2



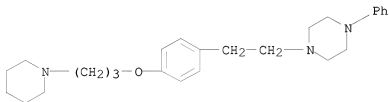
RN 684248-92-8 CAPLUS

CN Piperazine, 1-phenyl-4-[2-[4-[3-(1-piperidinyl)propoxy]phenyl]ethyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 684248-91-7

CMF C26 H37 N3 O



CM 2

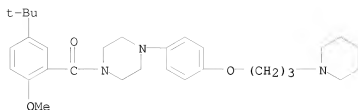
CRN 76-05-1

CMF C2 H F3 O2



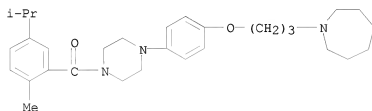
RN 684248-93-9 CAPLUS

CN Piperazine, 1-[5-(1,1-dimethylethyl)-2-methoxybenzoyl]-4-[4-[3-(1-piperidinyl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



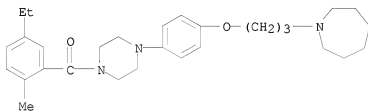
RN 684248-94-0 CAPLUS

CN Piperazine, 1-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]-4-[2-methyl-5-(1-methylethyl)benzoyl]- (9CI) (CA INDEX NAME)



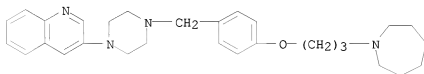
RN 684248-95-1 CAPLUS

CN Piperazine, 1-(5-ethyl-2-methylbenzoyl)-4-[4-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]- (9CI) (CA INDEX NAME)



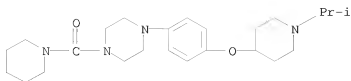
RN 684250-00-8 CAPLUS

CN Quinoline, 3-[4-[1-[3-(hexahydro-1H-azepin-1-yl)propoxy]phenyl]methyl]-1-piperazinyl]- (CA INDEX NAME)



RN 684259-01-6 CAPLUS

CN Piperazine, 1-[4-[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-4-(1-piperidinylcarbonyl)- (CA INDEX NAME)



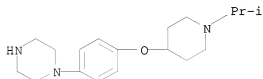
IT 397275-61-5P 398473-84-2P, 1-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine 398474-01-6P, 4-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester 684248-96-2P, 4-[4-(3-(Piperidin-1-yl)propoxy)benzyl]piperazine-1-carboxylic acid tert-butyl ester 684248-97-3P, 1-[4-(3-(Piperidin-1-yl)propoxy)benzyl]piperazine trihydrochloride 684248-99-5P, 4-(4-((Piperazin-1-yl)methyl)phenoxy)piperidine-1-carboxylic acid tert-butyl ester 684249-00-1P, 4-(4-((4-Benzoyl)piperazin-1-yl)methyl)phenoxy)piperidine-1-carboxylic acid tert-butyl ester 684249-02-3P, 4-[3-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester 684249-03-4P, 1-[3-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine 684249-05-6P 684249-06-7P 684249-07-8P 684249-08-9P 684249-09-0P 684249-10-3P 684249-12-5P, 3-[[4-(2-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-13-6P, 3-[[4-(1-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-14-7P 684249-15-8P, 4-[[4-(4-Quinolinyll)-1-piperazinyl]methyl]phenol 684249-16-9P, 4-[[4-(1-Naphthalenyl)-1-piperazinyl]methyl]phenol 684249-17-0P, 2-Methyl-4-[4-(2-[4-(phenylmethyl)oxy]phenyl)ethyl]-1-piperazinyl]quinoline 684249-18-1P, 2-Methyl-4-[4-(2-[3-(phenylmethyl)oxy]phenyl)ethyl]-1-piperazinyl]quinoline 684249-19-2P, 1-(1-Naphthalenyl)-4-(2-[4-(phenylmethyl)oxy]phenyl)ethyl]piperazine 684249-20-5P, 1-(1-Naphthalenyl)-4-(2-[3-(phenylmethyl)oxy]phenyl)ethyl]piperazine 684249-21-6P, 1-Phenyl-4-(2-[4-(phenylmethyl)oxy]phenyl)ethyl]piperazine 684249-22-7P, 4-[2-[4-(2-Methyl-4-quinolinyll)-1-piperazinyl]ethyl]phenol 684249-23-8P, 3-[2-[4-(2-Methyl-4-quinolinyll)-1-piperazinyl]ethyl]phenol 684249-24-9P, 4-[2-[4-(1-Naphthalenyl)-1-piperazinyl]ethyl]phenol 684249-25-0P, 3-[2-[4-(1-Naphthalenyl)-1-piperazinyl]ethyl]phenol 684249-26-1P, 4-[2-[4-Phenyl-1-piperazinyl]ethyl]phenol 684249-29-4P, 4-[4-(1-Naphthyl)carbonyl]piperazin-1-yl]phenol 684249-30-7P 684249-31-8P 684249-32-9P 684249-35-2P 684249-38-5P 684249-39-6P 684249-40-9P 684249-42-1P, 4-[4-(4-Fluorophenyl)carbonyl]-1-piperazinyl]phenol 684249-43-2P 684249-44-3P 684249-47-6P 684249-48-7P 684249-49-8P 684249-50-1P 684249-51-2P 684249-52-3P 684249-53-4P, 4-[4-(Phenylcarbonyl)-1-piperazinyl]phenol 684249-54-5P 684249-55-6P 684249-56-7P 684249-57-8P 684249-58-9P, 4-[[4-(4-Hydroxyphenyl)-1-piperazinyl]carbonyl]benzonitrile 684249-59-0P 684249-60-3P 684249-61-4P, 1-[4-[(2-Bromoethyl)oxy]phenyl]-4-(phenylcarbonyl)piperazine 684249-64-7P 684249-65-8P 684249-68-1P 684249-69-2P 684249-73-8P 684249-74-9P 684249-75-0P 684249-76-1P 684249-77-2P 684249-78-3P 684249-79-4P 684249-81-8P 684249-82-9P

684249-84-1P 684249-87-4P 684249-91-0P
 684249-92-1P 684249-93-2P 684249-94-3P
 684249-95-4P 684249-96-5P 684249-97-6P,
 1-[3-(4-(Piperazin-1-yl)phenoxy)propyl]azepane 684250-02-0P,
 3-[[4-(3-Quinoliny)-1-piperazinyl]methyl]phenol 684250-03-1P
 684250-04-2P 684259-02-7P, 4-[[4-(8-Quinoliny)-1-
 piperazinyl]methyl]phenol
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of substituted piperazines, [1,4]diazepines, and
 2,5-diazabicyclo[2.2.1]heptanes as histamine H1 and/or H3 antagonists
 or histamine H3 reverse antagonists)

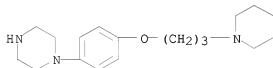
RN 397275-61-5 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX
 NAME)



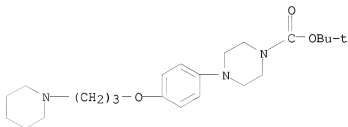
RN 398473-84-2 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



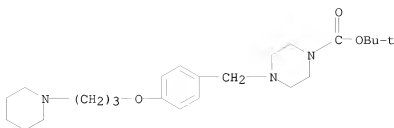
RN 398474-01-6 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-,
 1,1-dimethylethyl ester (CA INDEX NAME)

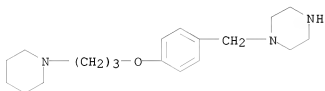


RN 684248-96-2 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl
]-, 1,1-dimethylethyl ester (CA INDEX NAME)

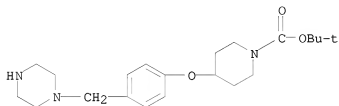


RN 684248-97-3 CAPLUS
 CN Piperazine, 1-[[4-[3-(1-piperidinyl)propoxy]phenyl]methyl]-,
 trihydrochloride (9CI) (CA INDEX NAME)

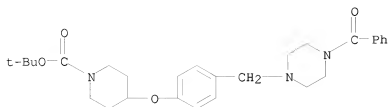


● 3 HCl

RN 684248-99-5 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[4-(1-piperazinylmethyl)phenoxy]-,
 1,1-dimethylethyl ester (CA INDEX NAME)

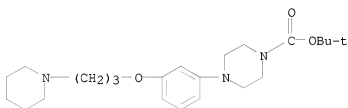


RN 684249-00-1 CAPLUS
 CN 1-Piperidinecarboxylic acid, 4-[4-[(4-benzoyl-1-
 piperazinyl)methyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



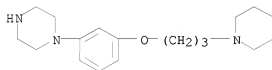
RN 684249-02-3 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[3-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



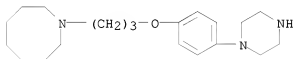
RN 684249-03-4 CAPLUS

CN Piperazine, 1-[3-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



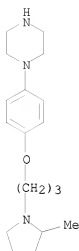
RN 684249-05-6 CAPLUS

CN Azocine, octahydro-1-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)

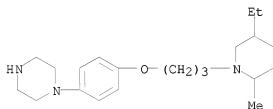


RN 684249-06-7 CAPLUS

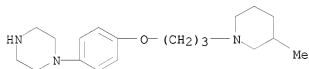
CN Piperazine, 1-[4-[3-(2-methyl-1-pyrrolidinyl)propoxy]phenyl]- (CA INDEX NAME)



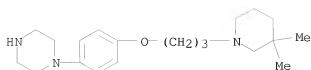
RN 684249-07-8 CAPLUS
 CN Piperazine, 1-[4-[3-(5-ethyl-2-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-08-9 CAPLUS
 CN Piperazine, 1-[4-[3-(3-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

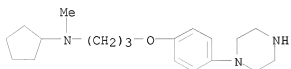


RN 684249-09-0 CAPLUS
 CN Piperazine, 1-[4-[3-(3,3-dimethyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



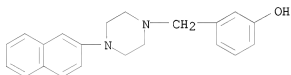
RN 684249-10-3 CAPLUS

CN Cyclopentanamine, N-methyl-N-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)



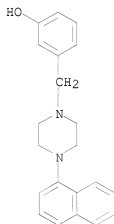
RN 684249-12-5 CAPLUS

CN Phenol, 3-[4-(2-naphthalenyl)-1-piperazinylmethyl]- (CA INDEX NAME)



RN 684249-13-6 CAPLUS

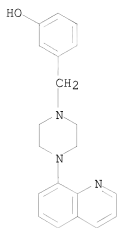
CN Phenol, 3-[4-(1-naphthalenyl)-1-piperazinylmethyl]- (CA INDEX NAME)



RN 684249-14-7 CAPLUS

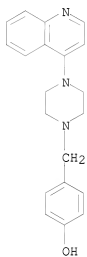
CN Phenol, 3-[4-(8-quinolinyl)-1-piperazinylmethyl]- (CA INDEX NAME)

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RN 684249-15-8 CAPLUS

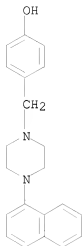
CN Phenol, 4-[[4-(4-quinoliny)-1-piperaziny]methyl]- (CA INDEX NAME)



RN 684249-16-9 CAPLUS

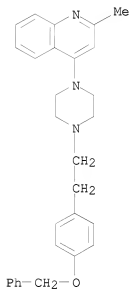
CN Phenol, 4-[[4-(1-naphthalenyl)-1-piperaziny]methyl]- (CA INDEX NAME)

10/531,758



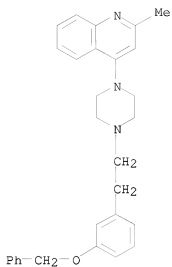
RN 684249-17-0 CAPLUS

CN Quinoline, 2-methyl-4-[4-[2-[4-(phenylmethoxy)phenyl]ethyl]-1-piperazinyl]-
(CA INDEX NAME)

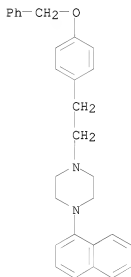


RN 684249-18-1 CAPLUS

CN Quinoline, 2-methyl-4-[4-[2-[3-(phenylmethoxy)phenyl]ethyl]-1-piperazinyl]-
(CA INDEX NAME)

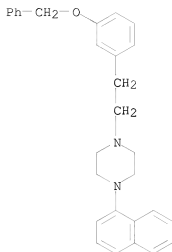


RN 684249-19-2 CAPLUS
 CN Piperazine, 1-(1-naphthalenyl)-4-[2-[4-(benzylmethoxy)phenyl]ethyl]- (CA
 INDEX NAME)

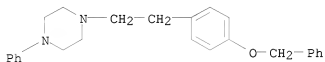


RN 684249-20-5 CAPLUS
 CN Piperazine, 1-(1-naphthalenyl)-4-[2-[3-(benzylmethoxy)phenyl]ethyl]- (CA
 INDEX NAME)

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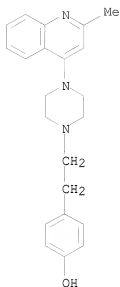


RN 684249-21-6 CAPLUS
 CN Piperazine, 1-phenyl-4-[2-[4-(phenylmethoxy)phenyl]ethyl]- (CA INDEX NAME)



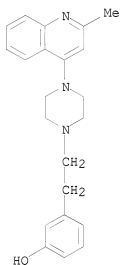
RN 684249-22-7 CAPLUS
 CN Phenol, 4-[2-[4-(2-methyl-4-quinoliny)-1-piperazinyl]ethyl]- (CA INDEX NAME)

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RN 684249-23-8 CAPLUS

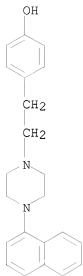
CN Phenol, 3-[2-[4-(2-methyl-4-quinolinyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)



RN 684249-24-9 CAPLUS

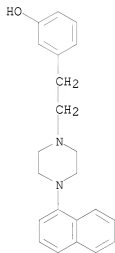
CN Phenol, 4-[2-[4-(1-naphthalenyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)

10/531,758



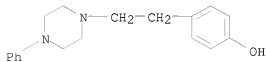
RN 684249-25-0 CAPLUS

CN Phenol, 3-[2-[4-(1-naphthalenyl)-1-piperazinyl]ethyl]- (CA INDEX NAME)



RN 684249-26-1 CAPLUS

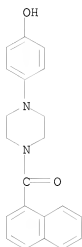
CN Phenol, 4-[2-(4-phenyl-1-piperazinyl)ethyl]- (CA INDEX NAME)



RN 684249-29-4 CAPLUS

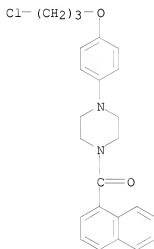
10/531,758

CN Piperazine, 1-(4-hydroxyphenyl)-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



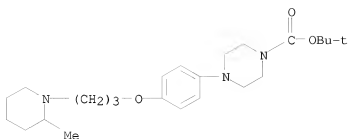
RN 684249-30-7 CAPLUS

CN Piperazine, 1-[4-(3-chloropropoxy)phenyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



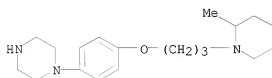
RN 684249-31-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



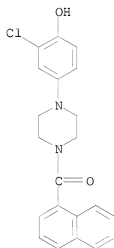
RN 684249-32-9 CAPLUS

CN Piperazine, 1-[4-[3-(2-methyl-1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



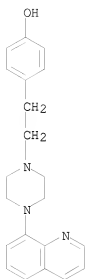
RN 684249-35-2 CAPLUS

CN Piperazine, 1-(3-chloro-4-hydroxyphenyl)-4-(1-naphthalenylcarbonyl)- (9CI)
(CA INDEX NAME)

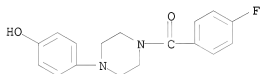


RN 684249-38-5 CAPLUS

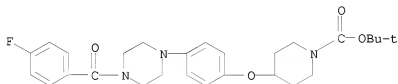
CN Piperazine, 1-[2-bromo-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



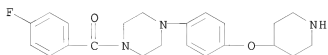
RN 684249-42-1 CAPLUS
CN Piperazine, 1-(4-(4-fluorobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 684249-43-2 CAPLUS
CN 1-Piperidinecarboxylic acid, 4-[4-[4-(4-fluorobenzoyl)-1-piperazinyl]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

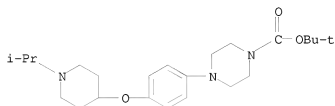


RN 684249-44-3 CAPLUS
CN Piperazine, 1-(4-(4-fluorobenzoyl)-4-[4-(4-piperidin-1-ylphenoxy)phenyl]- (9CI) (CA INDEX NAME)



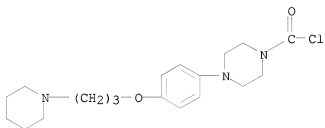
RN 684249-47-6 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-48-7 CAPLUS

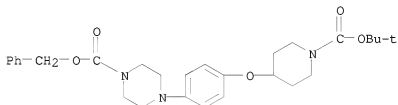
CN 1-Piperazinecarbonyl chloride, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

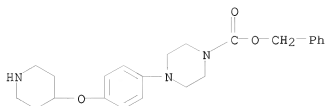
RN 684249-49-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]oxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)



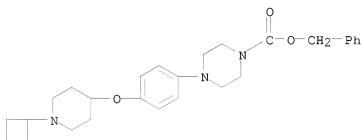
RN 684249-50-1 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-(4-piperidinyl)oxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)



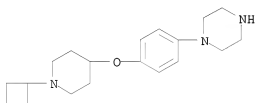
RN 684249-51-2 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]-, phenylmethyl ester (CA INDEX NAME)



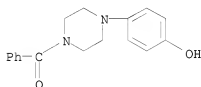
RN 684249-52-3 CAPLUS

CN Piperazine, 1-[4-[(1-cyclobutyl-4-piperidinyl)oxy]phenyl]- (CA INDEX NAME)



RN 684249-53-4 CAPLUS

CN Piperazine, 1-benzoyl-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



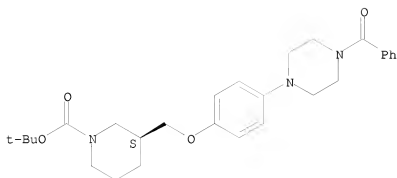
RN 684249-54-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

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NAME)

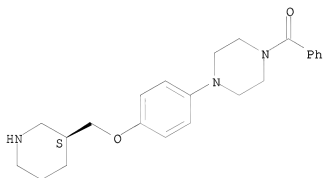
Absolute stereochemistry.



RN 684249-55-6 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

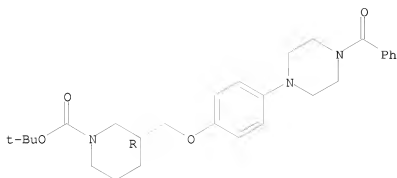
Absolute stereochemistry.



RN 684249-56-7 CAPLUS

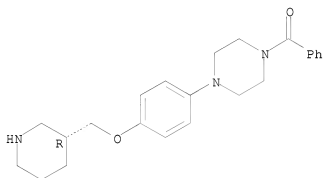
CN 1-Piperidinecarboxylic acid, 3-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

Absolute stereochemistry.

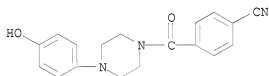


RN 684249-57-8 CAPLUS
 CN Piperazine, 1-benzoyl-4-[4-[(3R)-3-piperidinylmethoxy]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

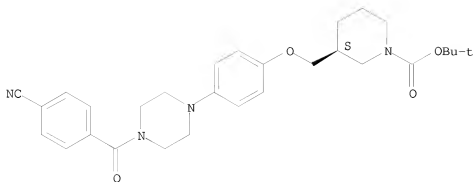


RN 684249-58-9 CAPLUS
 CN Piperazine, 1-(4-cyanobenzoyl)-4-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



RN 684249-59-0 CAPLUS
 CN 1-Piperidinecarboxylic acid, 3-[[4-[4-(4-cyanobenzoyl)-1-piperazinyl]phenoxy]methyl]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

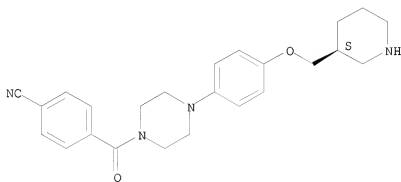
Absolute stereochemistry.



RN 684249-60-3 CAPLUS

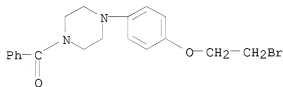
CN Piperazine, 1-(4-cyanobenzoyl)-4-[4-[(3S)-3-piperidinylmethoxy]phenyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



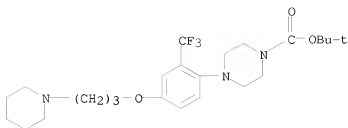
RN 684249-61-4 CAPLUS

CN Piperazine, 1-benzoyl-4-[4-(2-bromoethoxy)phenyl]- (9CI) (CA INDEX NAME)

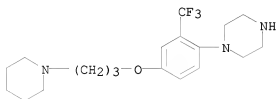


RN 684249-64-7 CAPLUS

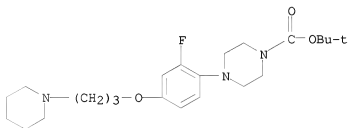
CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



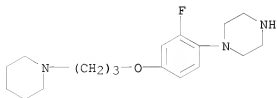
RN 684249-65-8 CAPLUS
 CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]-2-(trifluoromethyl)phenyl]-
 (CA INDEX NAME)



RN 684249-68-1 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

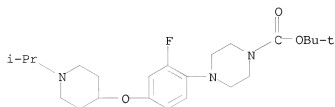


RN 684249-69-2 CAPLUS
 CN Piperazine, 1-[2-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



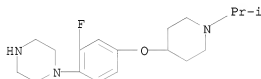
RN 684249-73-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684249-74-9 CAPLUS

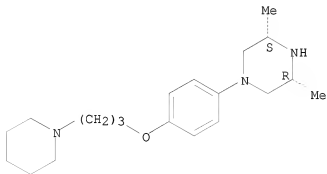
CN Piperazine, 1-[2-fluoro-4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



RN 684249-75-0 CAPLUS

CN Piperazine, 3,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (3R,5S)-rel- (CA INDEX NAME)

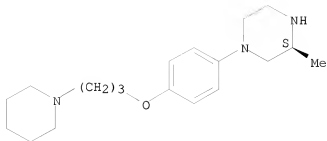
Relative stereochemistry.



RN 684249-76-1 CAPLUS

CN Piperazine, 3-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (3S)- (CA INDEX NAME)

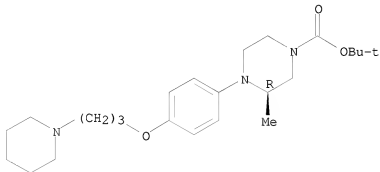
Absolute stereochemistry.



RN 684249-77-2 CAPLUS

CN 1-Piperazinecarboxylic acid, 3-methyl-4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

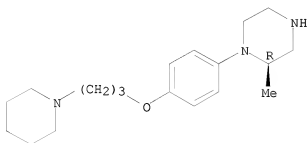
Absolute stereochemistry.



RN 684249-78-3 CAPLUS

CN Piperazine, 2-methyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R)- (CA INDEX NAME)

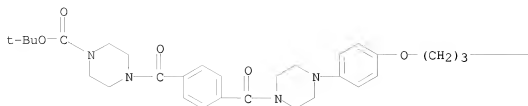
Absolute stereochemistry.



RN 684249-79-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[4-[[4-[3-(1-piperidinyl)propoxy]phenyl]-1-piperazinyl]carbonyl]benzoyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

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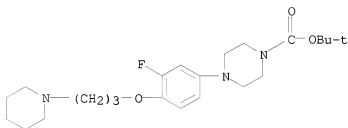


PAGE 1-B



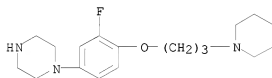
RN 684249-81-8 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



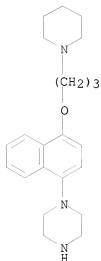
RN 684249-82-9 CAPLUS

CN Piperazine, 1-[3-fluoro-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



RN 684249-84-1 CAPLUS

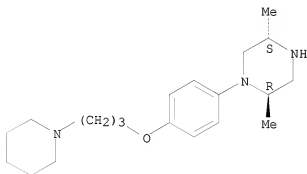
CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]-1-naphthalenyl]- (CA INDEX NAME)



RN 684249-87-4 CAPLUS

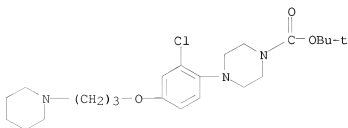
CN Piperazine, 2,5-dimethyl-1-[4-[3-(1-piperidinyl)propoxy]phenyl]-, (2R,5S)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 684249-91-0 CAPLUS

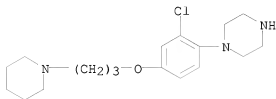
CN 1-Piperazinecarboxylic acid, 4-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



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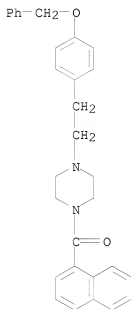
RN 684249-92-1 CAPLUS

CN Piperazine, 1-[2-chloro-4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



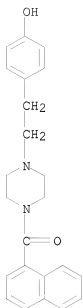
RN 684249-93-2 CAPLUS

CN Piperazine, 1-(1-naphthalenylcarbonyl)-4-[2-[4-(phenylmethoxy)phenyl]ethyl]- (9CI) (CA INDEX NAME)



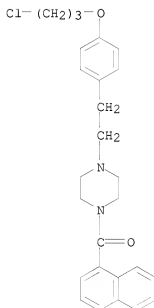
RN 684249-94-3 CAPLUS

CN Piperazine, 1-[2-(4-hydroxyphenyl)ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



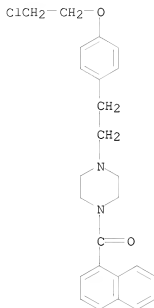
RN 684249-95-4 CAPLUS

CN Piperazine, 1-[2-[4-(3-chloropropoxy)phenyl]ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



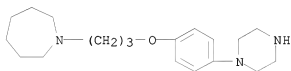
RN 684249-96-5 CAPLUS

CN Piperazine, 1-[2-[4-(2-chloroethoxy)phenyl]ethyl]-4-(1-naphthalenylcarbonyl)- (9CI) (CA INDEX NAME)



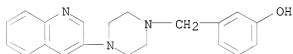
RN 684249-97-6 CAPLUS

CN 1H-Azepine, hexahydro-1-[3-[4-(1-piperazinyl)phenoxy]propyl]- (CA INDEX NAME)



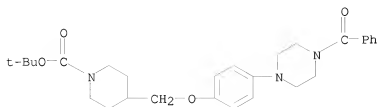
RN 684250-02-0 CAPLUS

CN Phenol, 3-[[4-(3-quinolinyl)-1-piperazinyl]methyl]- (CA INDEX NAME)

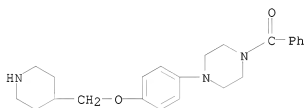


RN 684250-03-1 CAPLUS

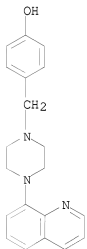
CN 1-Piperidinecarboxylic acid, 4-[[4-(4-benzoyl-1-piperazinyl)phenoxy]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 684250-04-2 CAPLUS
 CN Piperazine, 1-benzoyl-4-[4-(4-piperidinylmethoxy)phenyl]- (9CI) (CA INDEX NAME)



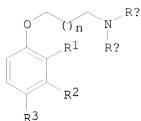
RN 684259-02-7 CAPLUS
 CN Phenol, 4-[[4-(8-quinoliny)-1-piperazinyl]methyl]- (CA INDEX NAME)



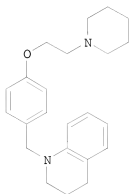
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L54 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:122980 CAPLUS
 DOCUMENT NUMBER: 136:183708
 TITLE: Preparation of non-imidazole aryloxyalkylamines as histamine H3 receptor antagonists
 INVENTOR(S): Apodaca, Richard; Carruthers, Nicholas I.; Dvorak, Curt A.; Rudolph, Dale A.; Shah, Chandravadan R.; Xiao, Wei
 PATENT ASSIGNEE(S): Ortho McNeil Pharmaceutical Inc., USA
 SOURCE: PCT Int. Appl., 155 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|-----------------|------------|
| WO 2002012214 | A2 | 20020214 | WO 2001-US24655 | 20010806 |
| WO 2002012214 | A3 | 20020620 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG | | | | |
| CA 2418369 | A1 | 20020214 | CA 2001-2418369 | 20010806 |
| AU 2001084733 | A | 20020218 | AU 2001-84733 | 20010806 |
| US 2002065278 | A1 | 20020530 | US 2001-922631 | 20010806 |
| US 7186732 | B2 | 20070306 | | |
| EP 1313721 | A2 | 20030528 | EP 2001-963813 | 20010806 |
| EP 1313721 | B1 | 20060308 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| HU 2003002959 | A2 | 20031229 | HU 2003-2959 | 20010806 |
| HU 2003002959 | A3 | 20060428 | | |
| JP 2004505960 | T | 20040422 | JP 2002-518191 | 20010806 |
| BR 2001013162 | A | 20040406 | BR 2001-13162 | 20010806 |
| AT 319696 | T | 20060315 | AT 2001-963813 | 20010806 |
| PT 1313721 | T | 20060630 | PT 2001-963813 | 20010806 |
| ES 2260276 | T3 | 20061101 | ES 2001-963813 | 20010806 |
| MX 2003PA01267 | A | 20040730 | MX 2003-PA1267 | 20030210 |
| ZA 2003001853 | A | 20040621 | ZA 2003-1853 | 20030306 |
| ZA 2003001854 | A | 20040621 | ZA 2003-1854 | 20030306 |
| US 2006235049 | A1 | 20061019 | US 2006-453422 | 20060615 |
| PRIORITY APPLN. INFO.: | | | US 2000-223768P | P 20000808 |
| | | | US 2001-922631 | A 20010806 |
| | | | WO 2001-US24655 | W 20010806 |
| OTHER SOURCE(S): | MARPAT 136:183708 | | | |
| GI | | | | |

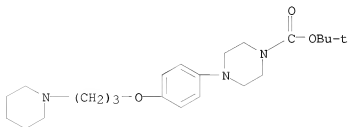


I



II

- AB Title compds. I [Ra-b = alk(en/yn)yl, cycloalkyl; n = 0-4; one of R1-3 = G and the remaining two are H or halo; G = N-containing heterocycle, e.g., piperidinyl, etc.] were prepared. For instance, 4-(2-(piperidin-1-yl)ethoxy)benzaldehyde was used to alkylate 1,2,3,4-tetrahydroisoquinoline (ClCH₂CH₂Cl, HOAc, NaBH(OAc)₃, 15 h) to give II. II had K_i = 37 nM for the histamine H₃ receptor. I are useful for treating histamine-mediated conditions.
- IT 398474-01-6P, 4-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine-1-carboxylic acid tert-butyl ester
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug; preparation of non-imidazole aryloxyalkylamines as histamine-H₃ receptor antagonists)
- RN 398474-01-6 CAPLUS
- CN 1-Piperazinecarboxylic acid, 4-[4-[3-(1-piperidinyl)propoxy]phenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



- IT 398473-84-2P, 1-[4-(3-(Piperidin-1-yl)propoxy)phenyl]piperazine

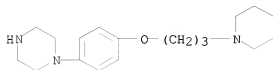
10/531,758

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(drug; preparation of non-imidazole aryloxyalkylamines as histamine-H3
receptor antagonists)

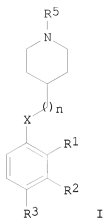
RN 398473-84-2 CAPLUS

CN Piperazine, 1-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



L54 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:122957 CAPLUS
 DOCUMENT NUMBER: 136:167285
 TITLE: Preparation of aryloxyperidines as histamine H3
 receptor antagonists
 INVENTOR(S): Apodaca, Richard; Carruthers, Nicholas I.; Dvorak,
 Curt A.; Shah, Chandravadan R.; Xiao, Wei
 PATENT ASSIGNEE(S): Ortho McNeil Pharmaceutical, Inc., USA
 SOURCE: PCT Int. Appl., 155 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|--|----------|-----------------|------------|
| WO 200202190 | A2 | 20020214 | WO 2001-US24660 | 20010806 |
| WO 200202190 | A3 | 20020801 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| CA 2419036 | A1 | 20020214 | CA 2001-2419036 | 20010806 |
| AU 2001081121 | A | 20020218 | AU 2001-81121 | 20010806 |
| US 2002040024 | A1 | 20020404 | US 2001-922619 | 20010806 |
| US 7071191 | B2 | 20060704 | | |
| EP 1311482 | A2 | 20030521 | EP 2001-959582 | 20010806 |
| EP 1311482 | B1 | 20070221 | | |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| HU 2003002893 | A2 | 20031229 | HU 2003-2893 | 20010806 |
| HU 2003002893 | A3 | 20060428 | | |
| BR 2001013161 | A | 20040406 | BR 2001-13161 | 20010806 |
| JP 2004511438 | T | 20040415 | JP 2002-518168 | 20010806 |
| AT 354568 | T | 20070315 | AT 2001-959582 | 20010806 |
| AU 2001281121 | B2 | 20070823 | AU 2001-281121 | 20010806 |
| ES 2282279 | T3 | 20071016 | ES 2001-959582 | 20010806 |
| MX 2003PA01268 | A | 20040906 | MX 2003-PA1268 | 20030210 |
| IN 2003KN00156 | A | 20050311 | IN 2003-KN156 | 20030210 |
| ZA 2003001853 | A | 20040621 | ZA 2003-1853 | 20030306 |
| ZA 2003001854 | A | 20040621 | ZA 2003-1854 | 20030306 |
| US 2005227979 | A1 | 20051013 | US 2005-138631 | 20050526 |
| US 7241778 | B2 | 20070710 | | |
| PRIORITY APPLN. INFO.: | | | US 2000-223768P | P 20000808 |
| | | | US 2001-922619 | A 20010806 |
| | | | WO 2001-US24660 | W 20010806 |
| OTHER SOURCE(S): | MARPAT 136:167285 | | | |
| GI | | | | |

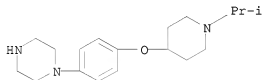


AB Title compds. I [X = O; n = 0-3; R5 = alk(en)yl, cycloalkylalkyl, phenylalk(en)yl, alkylcarbonylalkyl; R1-3 = G, W, wherein one of the remaining two is selected from H and halo and the third being H; G = alk(en)yl-N-containing heterocycle, etc.; W = CN, CHO, halo, heterocyclyl, phenoxy, Ph, etc.] were prepared. For example, a suspension of 1-isopropylpiperidin-4-ol (preparation given), 4-fluorobenzaldehyde and Cs2CO3 were heated to 100° in DMF for 22 h resulting in the formation of 4-[(1-isopropylpiperidin-4-yl)oxy]benzaldehyde (II). II had Ki = 36 nM for the histamine H3 receptor. I are useful in the treatment of histamine-mediated conditions.

IT 397275-61-5P, 1-[4-[(1-Isopropylpiperidin-4-yl)oxy]phenyl]piperazine
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug; preparation of aryloxypiperidines as histamine H3 receptor antagonists)

RN 397275-61-5 CAPLUS

CN Piperazine, 1-[4-[[1-(1-methylethyl)-4-piperidinyl]oxy]phenyl]- (CA INDEX NAME)



L54 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1960:74740 CAPLUS
 DOCUMENT NUMBER: 54:74740
 ORIGINAL REFERENCE NO.: 54:14280b-i,14281a-d
 TITLE: Phenethyl substituted piperazines
 INVENTOR(S): Mills, Jack
 PATENT ASSIGNEE(S): Eli Lilly & Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

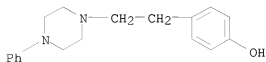
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| | US 2927924 | | 19600308 | US 1958-726027 | 19580403 |
| GI | For diagram(s), see printed CA Issue. | | | | |
| AB | <p>Three methods were presented for preparation of the title compds. (1) Ethylene oxide (277 g.) was treated with 543 g. homoveratrylamine to form bis(β-hydroxyethyl)homoveratrylamine, b0.1 160-80°, n_D25 1.5398. This was treated with SOCl₂ to form the β-chloro analog (HCl salt m. 144-6°), which after conversion to the free base was treated with NaNH₂ and PhMe to form 4-phenyl-1-homoveratrylpiperazine-HCl, m. 232-3°. The following R-substituted-1-homoveratrylpiperazine-nHCl were similarly prepared (R, n, and m.p. given): 4-(0-chlorophenyl), 1, 244-5°; 4-(m-chlorophenyl), 1, 199-200°; 4-(0-methoxyphenyl), 2, 225-6° (decomposition); 4-(o-ethoxyphenyl) (hydrate), 1, 194-5°; 4-(m-methoxyphenyl), 2, 195-6°; 4-(o-tolyl), 1, 260-1°; 4-(m-tolyl), 1, 224-5°; 4-(o-ethylphenyl), 2, 205° (decomposition); 4-(α-naphthyl), 1, 275° (decomposition); 4-(2-pyridyl), 2, 225-6 (decomposition); 4-(3-methyl-2-pyridyl), 2, 206-7° (decomposition); 4-(4-methyl-2-pyridyl), 2, 222-3° (decomposition); 4-(6-methyl-2-pyridyl), 2, 125-6° (decomposition). By cleaving the above compds. with HBr, the following 4-(R-substituted)-1-(3,4-dihydroxyphenethyl)piperazine-nHBr were prepared (R, n, and m.p. given): Ph, 1, 266° (decomposition); m-tolyl, 2, 256-7°; o-chlorophenyl, 1, 208-10°; o-tolyl, 2, 229-30°; o-ethylphenyl, 2, 200-1°; 2-pyridyl, 2, 254-5°; 6-methyl-2-pyridyl, 2, 167-9°; 4-methyl-2-pyridyl, 2, 268° (decomposition); 3-methyl-2-pyridyl, 2, 208-10°; o-methoxyphenyl, 1, 208-9°. These dihydroxy compds. were treated with an acid anhydride to make the following CH₂.CH₂.NR.CH₂.CH₂.N-CH₂CH₂C₆H₃(OR')2-3,4.nHBr (R, R', n, and m.p. given): Ph, EtCO, 1, 186-8°; Py, Ac, 1, 228-9°; o-methoxyphenyl, Ac, 1, 180-2°; o-chlorophenyl, Ac, 1, 225-6°; o-chlorophenyl, EtCO, 1, 182-3°; o-tolyl, EtCO, 1, 185-6°; o-ethylphenyl, Ac, 1, 196-7°; 2-pyridyl, Ac, 1, 200-2°; 6-methyl-2-pyridyl, Ac, 2, 252° (decomposition); 4-methyl-2-pyridyl, Ac, 2, 260-2°; 3-methyl-2-pyridyl, Ac, 2, 234° (decomposition). (2) m-Methoxyphenylacetic acid (25 g.) was treated with SOCl₂ to form the corresponding acid chloride, treated with phenylpiperazine to form 4-phenyl-1-[β-(3-methoxyphenyl)-α-oxoethyl]piperazine, m. 74-5°. This was treated with LiAlH₄ to form 4-phenyl-1-(3-methoxyphenethyl)piperazine; HCl salt m. 203-5°. The following 4-(R-substituted)-1-(substituted-phenethyl)piperazine-nHCl were prepared [R, phenethyl substituent (s), n, m.p. given]: phenyl, 3-methoxy-4-hydroxy(hydrate), 1, 135-6°; (H, Pd used as reducing agents for this and next 3 compds.) o-methoxyphenyl, 3-methoxy-4-hydroxy, 1,</p> | | | | |

234-5°; m-tolyl, 3-methoxy-4-hydroxy (hydrate), 1, 197-8°; o-methoxyphenyl, 4-amino, 1, 260-1 ° [from N-(o-methoxyphenyl)piperazine and p-nitrophenethyl bromide which formed 4-(o-methoxyphenyl)-1-(4-nitrophenethyl)piperazine; the next 3 were similarly prepared]; m-tolyl, 4-amino, 2, 286-7°; Ph, 4-amino, 2, 273°; o-chlorophenyl, 4-amino, 2, 306° (decomposed). The appropriate acid anhydride was treated with the above compds. to form the following 3,4-R2R3C6H3CH2CH2N.CH2.CH2.NR'.CH2.CH2.nHCl (R1, (R2, R3, n, and m.p. given): Ph, MeO, AcO, 1, 234-5°; Ph, MeO, EtCO2, 1, (hemihydrate) 209-10°; o-methoxyphenyl, MeO, AcO, 2, 225° (decomposition); m-tolyl, MeO, AcO, 1, 209-10°; m-tolyl, MeO, EtCO2, 1, (hemihydrate) 188-9°; o-methoxyphenyl, H, AcNH, 1, 276°; o-methoxyphenyl, H, EtCONH, 1, 225° (decomposition). AcCl was the acetylating agent for the last 2 compds. When 4-(o-methoxyphenyl)-1-(4-acetamidophenethyl)piperazine hydrochloride was neutralized, and reduced, 4-(o-methoxyphenyl)-1-(4-ethylaminophenethyl)piperazine hydrochloride, m. 218-19° (decomposition), was formed. Treatment of 4-(o-methoxyphenyl)-1-(4-aminophenethyl)piperazine with H2CO and PdO formed 4-(o-methoxyphenyl)-1-(4-dimethylaminophenethyl)piperazine-2HCl, m. 256-7°. (3) N-(o-Chlorophenyl)piperazine, n25D 1.5808, b0.5 80-110° (from o-chloroaniline and diethanolamine), and 15 g. 4-methoxyphenethyl bromide were treated to form 4-(o-methoxyphenyl)-1-(4-methoxyphenethyl)piperazine-HCl, m. 216-18° (decomposition). The following 4-(R-substituted)-1-(4-methoxyphenethyl)piperazine-HCl were similarly prepared (R and m.p. given): Ph, 273-4 °; o-chlorophenyl, 247-9°; o-tolyl, 272-3°; m-chlorophenyl, 174-5°; m-tolyl, -[di-HCl salt m. 210° (decomposition)]; 2-pyridyl, -(free base m. 92-4°). The preceding treated with HBr gave the following 4-(R-substituted)-1-(4-hydroxyphenethyl)piperazine-nHBr (R, n, and m.p. given): o-methoxyphenyl, 2, 233-4°; Ph, 1, 259-60°; o-chlorophenyl, 1, 208-9°; o-tolyl, -, 256-7°; m-tolyl, 2, 222-4°; m-chlorophenyl, 1, 204-5°; 2-pyridyl, 2, 250-2°. Also made was 4-phenyl-1-(3-hydroxyphenethyl)piperazine-2-HBr, m. above 275°. When the foregoing were treated with an acid anhydride, the following 4-(R1-substituted)-1-[4-(R2-substituted)-phenethyl]piperazine salts resulted (R1, R2, salt, and m.p. given): Ph, AcO, 2HCl, 220-2°; o-methoxyphenyl, EtCO2, HBr, 215-16°; Ph, EtCO2, HBr, 197-8°; o-chlorophenyl, EtCO2, HBr, 223-4°; o-tolyl, AcO, HCl, 259-60°; o-tolyl, EtCO2, HBr, 254-5°; m-tolyl, AcO, HBr, 185-6°; m-tolyl, EtCO2, HBr, 225-6°; 2-pyridyl, AcO, 2HBr, 228-30°. Similarly, 4-phenyl-1-(3-acetoxyphenethyl)piperazine-2HBr, m. 234-5°, and 4-phenyl-1-(3-propionyloxyphenethyl)piperazine-2HCl, m. 198-9°, were prepared

IT 684249-26-1, Phenol, p-[2-(4-phenyl-1-piperaziny)ethyl]- (derivs.)

RN 684249-26-1 CAPLUS

CN Phenol, 4-[2-(4-phenyl-1-piperaziny)ethyl]- (CA INDEX NAME)



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